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Spirit of Service™

Sanyo SCP-4920 | User's Guide

www.qwestwireless.com

SANYO

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Qwest®

Welcome to Qwest®

This guide will familiarize you with our technology and your new wireless phone through simple, easy-to-follow instructions. If you have already reviewed the **Start Here to Activate** guide that was packaged with your new phone, then you're ready to explore the advanced features outlined in this guide.

If you have not read your **Start Here to Activate** guide, go to Section One – Getting Started. This section provides all the information you need to unlock your phone, set up your voicemail, and use services such as directory assistance and operator services.

Welcome and thank you for choosing Qwest®.

Introduction

This **User's Guide** introduces you to wireless service and all the features of your new phone. It's divided into four sections:

- **Section 1:** Getting Started
- **Section 2:** Your Phone
- **Section 3:** Qwest Service Features
- **Section 4:** Safety Guidelines

Throughout this guide, you'll find tips that highlight special shortcuts and timely reminders to help you make the most of your new phone and service. The Table of Contents and Index will also help you quickly locate specific information.

You'll get the most out of your phone if you read each section. However, if you'd like to get right to a specific feature, simply locate that section in the Table of Contents and click on the page number to go directly to that page. Follow the instructions in that section, and you'll be ready to use your phone in no time.

Note: You can view this guide online or print it to keep it on hand. If you're viewing it online, simply click on a topic in the Table of Contents or Index or on any page reference. The PDF will automatically display the appropriate page.

Getting Started

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Setting Up Service

In This Section

- Getting Started
- Setting Up Your Voicemail
- Account Passwords
- Getting Help

Setting up service on your Sanyo SCP-4920 is quick and easy.
This section walks you through the necessary steps to unlock your phone, set up your voicemail, and contact Qwest for assistance with your service.

Unlocking Your Phone

To unlock your phone, follow these easy steps:

1. Press and hold END to turn the phone on.
2. Press **Unlock** (left softkey).

Note: To select a softkey, press the softkey button directly below the softkey text that appears at the bottom left and bottom right of your phone's display screen. Softkey actions change according to the screen you're viewing and will not appear if there is no corresponding action available.

3. Enter your four-digit lock code. (For security purposes, the code is not visible as you type.)

Tip: If you can't recall your lock code, try using the last four digits of either your Social Security number or phone number or try 0000. If none of these work, call Qwest Wireless™ Repair at 1-888-879-0611.

Setting Up Your Voicemail

All unanswered calls to your wireless phone are automatically transferred to your voicemail, even if your phone is in use or turned off. Therefore, you will want to set up your voicemail and personal greeting as soon as your phone is activated.

To set up your voicemail:

1. Press and hold 1.
2. Follow the system prompts to:
   - Create your passcode
   - Record your greeting
   - Record your name announcement
   - Choose whether or not to activate One-Touch Message Access (a feature that lets you access messages simply by pressing and holding 1, bypassing the need for you to enter your passcode)

Note: The voicemail setup process may vary in certain Affiliate areas.

For more information about using your voicemail, see "Using Voicemail" on page 149.

Account Passwords

As a Qwest customer, you enjoy unlimited access to your personal account information, your voicemail account, and your Sprint PCS Vision account. To ensure that no one else has access to your information, you will need to create passwords to protect your privacy.

Account Password

If you are the account owner, you'll have an account password to sign on to www.qwestwireless.com and to use when calling Qwest Wireless Customer Service. Your default account password is the last four digits of your Social Security number.

Voicemail Password

You'll create your voicemail password (or passcode) when you set up your voicemail. See "Setting Up Your Voicemail" on page 4 for more information on your voicemail password.

Sprint PCS Vision Password

If your service plan includes Sprint PCS Vision™, you can set up a Sprint PCS Vision Password. This optional password may be used to authorize purchase of Premium Services content and to protect personal information on multi-phone accounts.

For more information or to change your passwords, sign on to www.qwestwireless.com or call Qwest Wireless™ Repair at 1-888-879-0611.

Getting Help

Visit Our Website

You can get up-to-date information on your wireless service and options by signing onto our Website at www.qwestwireless.com.

When you visit us online, you can

- Review coverage maps
- Learn how to use voicemail
- Access your account information
- Check out frequently asked questions
- And more

Reaching Qwest Wireless Customer Service

You can reach Qwest online or by phone:

- Sign on to your account at www.qwestwireless.com
- Call us toll-free at 1-888-879-0611

Directory Assistance

You have access to a variety of services and information through Directory Assistance, including residential, business, and government listings. There is a per-call charge and you will be billed for airtime.

To call Directory Assistance:

- Press 4 1 1 TALK.

Operator Services

Operator Services provides assistance when placing collect calls or when placing calls billed to a local telephone calling card or third party.

To access Operator Services:

- Press 0 TALK.

For more information or to see the latest in products and services, visit us online at www.qwestwireless.com.

Note: Operator Services may not be available in all Affiliate areas.

Your Phone

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Your Phone: The Basics

In This Section

- Front View of Your Phone
- Viewing the Display Screen
- Features of Your Wireless Phone
- Turning Your Phone On and Off
- Using Your Phone's Battery and Charger
- Displaying Your Phone Number
- Making and Answering Calls
- Entering Text

Your Sanyo SCP-4920 Phone is packed with features that simplify your life and expand your ability to stay connected to the people and information that are important to you. This section will guide you through the basic functions and calling features of your new phone.

Front View of Your Phone

Key Features

1. **Antenna:** Fully extend the antenna for the best reception.
2. **Side Volume Keys:** Let you adjust the receiver volume during a call or ringer volume in standby mode.
3. **Ready Link/Recorder Button:** Allows you to access the Ready Link List or Voice Recorder menu. (See "Using Ready Link" on page 126 or "Using the Voice Recorder" on page 116.)
4. **LED Indicator:** Shows your phone's connection status at a glance.
5. **Earpiece:** Lets you hear the caller's voice.
6. **LCD (display):** Displays the phone's main menu, features, modes, etc.
7. **Softkey (left):** Lets you select the menu corresponding to the bottom left line on the LCD.

8. **Navigation Key:** Lets you navigate quickly and easily through the menu options. You can access menu shortcuts by pressing Right: Contacts, Left: My Shortcut, Up: Messaging, and Down: Downloads.
9. **Menu/OK:** Lets you access the phone's menus and select menu options.
10. **TALK:** Lets you place or answer calls, answer Call Waiting, or use Three-Way Calling and Voice Dial.
11. **Microphone:** To speak into or record your voice.
12. **Accessories Connector:** Connects optional accessories, such as a USB cable.
13. **Charger Jack:** Connects the travel charger (included).
14. **Keypad:** Lets you enter numbers, letters, and characters, and navigate within menus. Press and hold keys 2-9 for speed dialing.
15. **END/POWER:** Lets you turn the phone on and off, end a call, or return to standby mode.
16. **BACK:** Lets you clear characters from the screen or display the previous page. Press and hold for setting Key Guard in standby mode.
17. **Softkey (right):** Lets you select the menu corresponding to the bottom right line on the LCD.
18. **Headset Jack:** Lets you insert the plug of a headset (sold separately) for hands-free phone use.

Viewing the Display Screen

Your phone's display screen provides a wealth of information about your phone's status and options. This list identifies the symbols you'll see on your phone's display screen:

shows your current signal strength. The more lines you have, the stronger your signal.

means your phone cannot find a signal.

tells you a call is in progress.

indicates Sprint PCS Vision/Ready Link access is dormant.

indicates Sprint PCS Vision/Ready Link access is active.

indicates Sprint PCS Vision/Ready Link access is disabled.

indicates you have new text messages waiting.

indicates you have new voicemail messages waiting. Press and hold 1 to call your voicemail box.

indicates you have text messages and voicemail messages waiting.

indicates you are "roaming" off the network provided to you.

indicates the Ready Link Service is enabled.

indicates the Ready Link Service is disabled.

shows the level of your battery charge. The more black you see, the more power you have left. It displays while charging.

indicates you have menus to scroll (in four directions).

indicates a beep sound is set at level 1.

indicates the vibrate feature is set.

indicates volume level 4 or 1 and vibrate feature is set.

indicates the voice call ringer setting is off.

indicates all the sound settings are off.

indicates the Location Service of your phone is enabled.

indicates the Location Service of your phone is disabled.

indicates you have a new caller's message.

indicates the Screen Call Auto setting is on.

indicates you have new downloaded data.

indicates your phone is in TTY mode.

indicates Headset mode is set to Ready Link and a headset is connected.

indicates the speakerphone mode is set to on.

Note: Display indicators help you manage your roaming charges by letting you know when you're off the network provided to you and whether you're operating in digital or analog mode. (For more information, see Section 2D: Controlling Your Roaming Experience on page 65.)

Tip: You can access display screen icon descriptions in your phone's menu. Press Menu OK, select **Settings**, select **Phone Info**, and select **Help**. To display an icon's description, highlight it and press Menu OK.

Features of Your Wireless Phone

Congratulations on the purchase of your new wireless phone. The Sanyo SCP-4920 is lightweight, easy-to-use and reliable, and it also offers many significant features and service options. The following list previews some of those features and options and provides page numbers where you can find out more:

- Dual-band/tri-mode capability allows you to make and receive calls while on the network provided to you and to roam on other analog and 800 and 1900 MHz digital networks where roaming agreements have been implemented (page 65).
- Sprint PCS Vision℠ provides access to the wireless Internet in digital mode (page 159).
- Games, ringers, screen savers, and other applications can be downloaded to your phone to make it as unique as you are (page 178).
- The built-in organizer lets you schedule alerts to remind you of important events (page 90).
- Speed Dialing lets you call a phone number stored in your Contacts directory using one touch dialing (page 27).
- The Contacts directory (page 80) can store up to 500 numbers and 300 email and Web addresses in 300 entries (entries can store up to seven numbers each). A separate Ready Link Contacts List (page 129) provides easy access to up to 200 personal contacts.
- Ready Link℠ allows you to enjoy quick, two-way, "walkie-talkie-style" communication with one or several Ready Link users (page 126).

Turning Your Phone On and Off

Turning Your Phone On

To turn your phone on:

- Press and hold .

Once your phone is on, it displays "Looking for service..." which indicates that your phone is searching for a signal. When your phone finds a signal, it automatically enters standby mode – the phone's idle state. At this point, you are ready to begin making and receiving calls.

If your phone is unable to find a signal after 15 minutes of searching, a Power Save feature is automatically activated. When a signal is found, your phone automatically returns to standby mode.

In Power Save mode, your phone searches for a signal periodically without your intervention. You can also initiate a search for network service by pressing any key (when your phone is turned on).

Tip: The Power Save feature helps to conserve your battery power when you are in an area where there is no signal.

Turning Your Phone Off

To turn your phone off:

- Press and hold until you see the powering down animation on the display screen.

Your screen remains blank while your phone is off (unless the battery is charging).

Using Your Phone's Battery and Charger

Battery Capacity

Your phone is equipped with a Lithium Ion (LiIon) battery. It allows you to recharge your battery before it is fully drained. The battery provides up to 5.5 hours of continuous digital talk time (2.5 hours in analog) or up to 168 hours of continuous digital standby time (33 hours in analog).

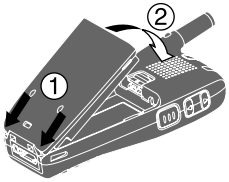
When the battery reaches 5% of its capacity, the low battery icon appears. When there are approximately two minutes of talk time left, the phone sounds an audible alert and then powers down.

Note: Long backlight settings, searching for service, vibrate mode, Ready Link mode, and browser use affect the battery's talk and standby times.

Tip: Be sure to watch your phone's battery level indicator and charge the battery before it runs out of power.

Installing the Battery

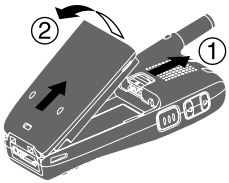
To install the LiIon battery:



1. Place the battery into the space beneath the antenna with the metal contacts at the bottom, facing downward.
2. Gently press down until it's in place and the battery release latch snaps.

Removing the Battery

To remove your battery:



1. Make sure the power is off so that you don't lose any stored numbers or messages.
2. Push the battery release latch up and hold the battery.
3. Pull the battery up and out at a 45-degree angle.

Charging the Battery

Your phone's LiIon battery is rechargeable and should be charged as soon as possible so you can begin using your phone.

Keeping track of your battery's charge is important. If your battery level becomes too low, your phone automatically turns off and you will lose all the information you were just working on. For a quick check of your phone's battery level, glance at the battery charge indicator located in the upper-right corner of your phone's display screen. If the battery charge is getting too low, the low battery icon ( ) appears and the phone sounds a warning tone.

Always use a Sprint-approved travel charger or vehicle power adapter to charge your battery.

Warning! Using the wrong battery charger could cause damage to your phone and void the warranty.

Using the Travel Charger

To use the travel charger provided with your phone:

1. Plug the travel charger into a wall outlet.
2. Plug the other end of the travel charger into the bottom of your phone (with the battery installed).
   - **Charging when your phone is turned on:**
     The battery icon appears on the display while charging. The battery icon turns to when charging is complete.
   - **Charging when your phone is turned off:**
     The battery icon appears, and the message "BATTERY CHARGING–Power Off–" is shown on the display while charging. When the battery is completely discharged, you may wait for several minutes until the message is shown on the display. The battery icon turns to , and the message changes to "CHARGING COMPLETE–Power Off–" when charging is complete.

It takes approximately 5.5 hours to fully recharge a completely rundown battery. With the Sprint-approved LiIon battery, you can recharge the battery before it becomes completely run down.

Displaying Your Phone Number

Just in case you forget your phone number, your phone can remind you.

To display your phone number:

1. Press Menu OK to access the main menu.
2. Select **Contacts** and press Menu OK.
3. Select **My Phone#** and press Menu OK.

Note: To access the phone's main menu, press Menu OK from standby mode. Menu items may be selected by highlighting them with the navigation key and pressing Menu OK, or you can press the number corresponding to the menu item on your keypad.

Tip: You can also display your phone number from the Phone Info menu. Press Menu OK, select **Settings**, select **Phone Info**, and select **Phone#/User ID**.

Making and Answering Calls

Making Calls

Placing a call from your wireless phone is as easy as making a call from any land line phone. Just enter the number and press TALK and you're on your way to clear calls.

To place a call using your keypad:

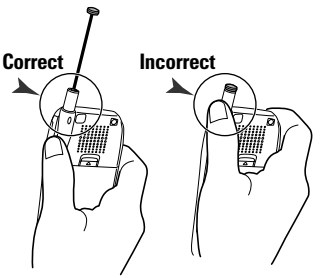
1. Make sure your phone is on.
2. Enter a phone number. (If you make a mistake while dialing, press BACK to erase one digit at a time. Press and hold BACK to erase the entire number.)
3. Press TALK or **Speaker** (left softkey). (To place a call when you are roaming and Call Guard is enabled, see "Controlling Roaming Charges Using Call Guard" on page 69.)
4. When you're finished, press END to end the call.

Tip: To redial your last outgoing call, press TALK or **Speaker** (left softkey) twice.

Tip: When making calls off the network provided to you, always dial using 11 digits (1 + area code + phone number).

You can also place calls from your phone by using Speed Dialing (page 27), your Call History listings (page 75), and your Contacts directory (page 80).

Important: To maximize performance when using your phone, extend the antenna before a call and do not touch the antenna during a call.



Dialing Options

Dialing options are displayed when you press **Options** (right softkey) after entering numbers in the phone's standby mode.

To select an option, highlight it and press Menu OK.

- **Call** to dial the phone number.
- **Call:Speaker On** to dial the phone number in speakerphone mode.
- **Send Text** to send a text message. (See "Sending a Message" on page 167.)
- **Save Phone#** to save the phone number in your Contacts list. (See "Saving a Phone Number" on page 24.)
- **Find** to display Contacts list entries that end with the digits you entered. (See "Finding a Phone Number" on page 25.)
- **H Hard Pause** to insert a hard pause. (See "Dialing and Saving Phone Numbers With Pauses" on page 25.)
- **T 2-Sec. Pause** to insert a 2-second pause. (See "Dialing and Saving Phone Numbers With Pauses" on page 25.)
- **Hyphen** to insert a hyphen. (Hyphens are generally for visual appeal only; they are not necessary when entering numbers.)

Note: To speed dial a phone number, press and hold the appropriate speed dial key (locations 2-9). See "Assigning Speed Dial Numbers" on page 86.

This option appears when you enter four digits and press Menu OK.

- **Abbrev. Dial** to dial the phone number in your Contacts list that ends with the four digits you entered. (See "Using Abbreviated Dialing" on page 27.)

Answering Calls

To answer an incoming call:

1. Make sure your phone is on. (If your phone is off, incoming calls go to voicemail.)
2. Press TALK or **Speaker** (left softkey) to answer an incoming call. (Depending on your phone's settings, you may also answer incoming calls by pressing any number key. See "Setting Any Key Answer" on page 52 for more information.)

Your phone notifies you of incoming calls in the following ways:

- The phone rings or vibrates.
- The LED flashes.
- The backlight illuminates.
- The screen displays an incoming call message.
- If available, the phone number of the caller is displayed.
- If the phone number is in your Contacts list, the contact's name is displayed.

The following options are also displayed by pressing **Options** (right softkey). To select an option, highlight it and press MENU OK.

- **Call Guard** to answer the call when you are in roaming mode. See page 69 for setting Call Guard.
- **Answer** to answer the call.
- **Answer:Speaker** to answer the call in speakerphone mode.
- **Don't Answer** to hang up the incoming call and return to the Web while you are in Web operation. (This feature appears only when Sprint PCS Vision access is dormant.)
- **Screen Call** to answer the call by using a pre-recorded announcement. (This feature appears only when you are in a network service area or digital roaming area. See page 123.)
- **Quiet Ringer** to mute the ringer. (This feature appears only when the ringer is set.)

Tip: Your phone offers additional ways to answer calls. (See page 51 for Auto Answer and see page 52 for Any Key Answer.)

Answering a Roam Call With Call Guard Enabled

Call Guard is an option that helps you manage your roaming charges when making or receiving calls while outside the network provided to you. Please see Section 2D: Controlling Your Roaming Experience for more information about roaming.

To answer a call when you are roaming and Call Guard is enabled:

1. Press TALK or **Speaker** (left softkey). (The following message will appear: "Roaming rate applies. Please press [1] to accept.")
2. Press 1 to answer the call.

Note: When your phone is off, in an active Sprint PCS Vision Connection, or on a Ready Link call, incoming calls go directly to voicemail.

Ending a Call

To disconnect a call when you are finished:

- Press END.

Tip: Time/Date is displayed when you press BACK while the phone is in use.

Using the Speakerphone

The speakerphone feature lets you hear audio through the speaker and talk without holding the phone. When the speakerphone is activated, use the volume control keys on the side of the phone to adjust the volume.

To turn the speakerphone on during a call:

- Press On/Off (left softkey).
  – or –
  Press **Options** (right softkey), highlight **Speaker On**, and press MENU OK.

To turn the speakerphone off during a call:

- Press On/Off (left softkey).
  – or –
  Press **Options** (right softkey), highlight **Speaker Off**, and press MENU OK.

Warning! Due to higher volume levels, do not place the phone near your ear during speakerphone use.

Changing the Ringer Volume

To change the ringer volume, press the Side Volume keys when the phone is in standby mode.

Note: To change the ringer volume from the main menu, see "Adjusting the Phone's Volume Settings" on page 38.

Adjusting Volume During a Conversation

When you need to adjust the receiver volume during a conversation, use the Side Volume keys, or press the navigation key up or down while a call is in progress.

Muting a Call

There are times when it's necessary to mute a call so that your caller does not hear you or certain background noise.

To use this function during a call:

- Press **Options** (right softkey), highlight **Mute**, and press Menu OK. (When the phone is muted, "**Mute**" appears on the display.)

To unmute a call:

- Press **Options** (right softkey), highlight **Unmute**, and press Menu OK.

Missed Call Notification

When an incoming call is not answered, the Missed Call log is displayed on your screen.

To call the last Missed Call:

- Press TALK or **Speaker** (left softkey).

To display the Missed Call list:

- Press **View** (right softkey). (To call an entry, highlight the entry you want to call and press TALK.)

Calling Emergency Numbers

You can place calls to 911 (dial 9 1 1 and press TALK or **Speaker** [left softkey]), even if your phone is locked or your account is restricted. Once you dial the numbers, your phone will enter Emergency mode.

Press **Options** (right softkey) to display the options. To select an option, highlight it and press MENU OK.

- **My Phone#** to display your phone number.
- **Speaker On** to activate speakerphone mode. (If you are in speakerphone mode, the option will appear as **Speaker Off** to deactivate.)
- **Unlock Phone** to unlock your phone (appears only if the phone is locked).

To exit Emergency mode:

1. Press END.
2. Press **Options** (right softkey) to display the options.
   - **Call 911** to call 911.
   - **Call 911:Speaker** to call 911 in speakerphone mode.
   - **My Phone#** to display your phone number. (This option does not appear if the phone is locked.)
   - **Exit Emergency** to exit Emergency mode.
3. Highlight **Exit Emergency** and press MENU OK.

In-Call Options

During a call, your phone displays menu options when you press **Options** (right softkey).

To select an option, highlight it and press .

- **Flash** to answer an incoming Call Waiting call or to connect a third party during Three-Way Calling.
- **Mute** or **Unmute**
  Select **Mute** to mute your phone's microphone. Select **Unmute** to reactivate the microphone.
- **Speaker On** or **Speaker Off** to activate or deactivate speakerphone mode. You can adjust the speakerphone volume using the Side Volume keys.

Warning! Due to higher volume levels, do not place the phone near your ear during speakerphone use.

- **Three -Way Call** to call a third party.
- **Call History** to access the Call History menu. (See "Managing Call History" on page 75.)
- **Contacts** to access the Contacts menu. (See "Using the Contacts Directory" on page 80.)
- **Messaging** to access the Messaging menu. (See "Messaging" on page 165.)
- **Settings** to access the Settings menu. (See "Controlling Your Phone's Settings" on page 32.)
- **Tools/Extras** to access the Tools/Extras menu. (See "Personal Organizer" on page 90.)
- **Voice Services** to access the Voice Services menu. (See "Using Your Phone's Voice Services" on page 113.)

Note: The Flash menu appears only for Call Waiting and Three-Way Calling. The Mute menu does not appear during a 911 call. The Three-Way Call menu does not appear in Roaming areas.

End-of-Call Options

To display the following options, press **Options** (right softkey) within 10 seconds after disconnecting a call.

To select an option, highlight it and press Menu OK.

- **Call Again** to dial the phone number.
- **Call:Speaker On** to dial the phone number in speakerphone mode.
- **Save Phone#** to save the phone number in your Contacts list.
  - **Go to Phone Book** appears when the number is already in your Contacts list. (See "Saving a Phone Number" below.)

Note: The End-of-Call options are not displayed for calls identified as No ID or Restricted.

Saving a Phone Number

Your phone can store up to 500 phone numbers in up to 300 Contacts entries (an entry may contain up to seven numbers). Each entry's name can contain 16 characters. Your phone automatically sorts the Contacts entries alphabetically. (For more information, see Section 2G: Using the Contacts Directory on page 80.)

To save a number from standby mode:

1. Enter a phone number.
2. Press **Options** (right softkey).
3. Highlight **Save Phone#** and press Menu OK.
4. Select a label by highlighting **Mobile**, **Home**, **Work**, **Pager**, **Fax**, **Other**, or **No Label** and press Menu OK.
5. Enter a name and press Menu OK.
   If you have already stored entries in the Contacts list, you are prompted to select the following entry modes:
   - **New Name** to enter a new name.
   - **From Ph. Book** to select a name from the Contacts entry list.
6. Press **Save** (left softkey).

After you have saved the number, the new Contacts entry is displayed. (See "Contacts List Entry Options" on page 84.)

Finding a Phone Number

You can search Contacts list entries for phone numbers that contain a specific string of numbers.

To find a phone number:

1. Enter the last four or more digits of the number and press **Options** (right softkey). (The more numbers you enter, the more specific the search becomes.)
2. Highlight **Find** and press Menu OK. (The Contacts entry that ends with the digits you entered appears.)
3. Highlight your desired entry.
   - Press Menu OK to display the entry details.
   - Press TALK to dial.

Dialing and Saving Phone Numbers With Pauses

You can dial or save phone numbers with pauses for use with automated systems, such as voicemail or credit card billing numbers.

There are two types of pauses available on your phone:

- **Hard Pause** sends the next set of numbers when you press TALK.
- **2-Sec. Pause** automatically sends the next set of numbers after two seconds.

Note: You can have multiple pauses in a phone number and combine 2-second and hard pauses.

To dial or save phone numbers with pauses:

1. Enter the phone number and press **Options** (right softkey).
2. Highlight either **Hard Pause** or **2-Sec. Pause** and press Menu OK. (A hard pause is displayed as a "H" and a 2-second pause as a "T".)
3. Enter additional numbers (for example, a passcode or an extension).
4. To dial the number, press TALK or **Speaker** (left softkey). (When dialing a number with a hard pause, press TALK to send the next set of numbers.)
   – or –
   To save the number in your Contacts list, press **Options** (right softkey), highlight **Save Phone#**, and press Menu OK.

Dialing From the Contacts Directory

To dial directly from a Contacts entry:

1. Press Menu OK to access the main menu.
2. Select **Contacts** and press Menu OK.
3. Select **Find/Add Entry** and press Menu OK.

Shortcut: Press the navigation key right to list entries.

4. Use your navigation key to scroll through the Contacts list, highlight your desired entry, and press Menu OK.
5. Highlight the number you want to call.
6. Press **Options** (right softkey) for the menu options.
7. Highlight **Call** or **Call:Speaker On** and press Menu OK to place a call.

Tip: You can also place a call by pressing TALK, or **Call** (left softkey) during step 5 above.

Note: The icons next to each entry represent the Contacts labels (for example, Mobile, Home, Work, etc.). A triangle next to an icon means there is another number for the entry. Press the navigation key right or left to select the desired label/number.

Using Speed Dialing

With this feature, you can dial your favorite entries using one key press for locations 2-9. (See "Assigning Speed Dial Numbers" on page 86.)

To use speed dial for voice calls:

- From standby mode, press and hold the appropriate key for approximately two seconds.

  – or –

- From standby mode, press the appropriate key and press TALK or **Speaker** (left softkey).

The display confirms that the number has been dialed when it shows "Connecting...".

To use speed dial for Ready Link calls:

- From standby mode, press the appropriate key then press and hold the Ready Link/Recorder button ( ). (See "Setting Speed Dialing for Ready Link Entries" on page 143.)

The display confirms that the number has been dialed when it shows "R-Link calling...".

Note: Speed dialing is not available when you are roaming; when you are roaming off the network provided to you, you must always dial using eleven digits (1 + area code + number).

Using Abbreviated Dialing

Abbreviated Dialing is another form of speed dialing. It allows you to dial a number by entering just the last four digits of any number in your Contacts directory. The Abbreviated Dialing option becomes available when you enter the last four digits of a phone number and press **Options** (right softkey).

To place a call using Abbreviated Dialing:

1. Dial the last four digits of a contact's phone number.
2. Press **Options** (right softkey) to display the dialing options.
3. Highlight **Abbrev. Dial** and press MENU OK or TALK.

Note: If there are two or more matched numbers in your Contacts list, the number that comes first alphabetically will be dialed. If there is no matched number, your phone dials the number you set for abbreviated dial with the last four digits you entered. (See "Setting Abbreviated Dialing" on page 52.)

Entering Text

Selecting a Character Input Mode

Your Sanyo SCP-4920 provides convenient ways to enter words, letters, punctuation, and numbers whenever you are prompted to enter text (for example, when adding a Contacts entry or when sending email messages).

To change the character input mode:

1. When you display a screen where you can enter text, press **Mode** (right softkey).
2. Select a character input mode:
   - **T9 Word** to enter characters using predictive T9 Text Input (see page 29).
   - **Alphabet** to enter characters by tapping the keypad (see page 30).
   - **SYMBOL** to enter symbols (see page 31).
   - **NUMBER** to enter numbers (see page 31).
   - **PRESET SUFFIX** to enter a preset suffix (see page 31).
   - **SMILEYS** to enter "emoticons" (see page 31).

Entering Characters Using T9 Text Input

T9 Text Input lets you enter text in your phone by pressing keys just once per letter. (To select the **T9 Word** mode when entering text, see "Selecting a Character Input Mode" on the previous page.)

T9 Text Input analyzes the letters you enter using an intuitive word database and creates a suitable word. (The word may change as you enter more letters.) If the word you want does not display after you have entered all the letters, press Next 0 to scroll through additional word selections. To accept a word and insert a space, press Space #.

If you make a mistake, press BACK to erase a single character. Press and hold BACK to delete an entire entry.

Adding a Word to the T9 Database

If a word you want to enter does not display as an option when you are using T9 Text Input, you can add it to the database.

To add a word to the T9 Text Input database:

1. Select the **Alphabet** input mode. (See "Selecting a Character Input Mode" on the previous page.)
2. Enter the word using multi-tap text entry. (See "Entering Characters by Tapping the Keypad" on the next page.)
3. Press **Mode** (right softkey), select **T9 Word**, and press Menu OK. (The word will appear as an option the next time you scroll through options during T9 Text Input.)

For more information about T9 Text Input, visit the Tegic Website at www.T9.com.

Entering Characters by Tapping the Keypad

To enter characters by tapping the keypad, select the **Alphabet** mode (see "Selecting a Character Input Mode" on page 28). Press the corresponding key repeatedly until the desired character appears. By default, the first letter of an entry is capitalized and following letters are lowercase.

Characters scroll in the following order:

Key	English Sequence	
	Upper Case	Lower Case
1	. , @ 1 ? ! * # /	
2	A B C 2	a b c 2
3	D E F 3	d e f 3
4	G H I 4	g h i 4
5	J K L 5	j k l 5
6	M N O 6	m n o 6
7	P Q R S 7	p q r s 7
8	T U V 8	t u v 8
9	W X Y Z 9	w x y z 9
Next 0	0	
Space #	Space	
Shift *	Unshifted One-character- shifted Caps Lock	

In Spanish mode, characters scroll in the following order:

Key	Spanish Sequence	
	Upper Case	Lower Case
1	. , @ 1 ¿ ? ¡ ! * # /	
2	A Á B C 2	a á b c 2
3	D E É F 3	d e é f 3
4	G H I Í 4	g h i í 4
5	J K L 5	j k l 5
6	M N Ñ O Ó 6	m n ñ o ó 6
7	P Q R S 7	p q r s 7
8	T U Ú Ü V 8	t u ú ü v 8
9	W X Y Z 9	w x y z 9
Next 0	0	
Space #	Space	
Shift *	Unshifted One-character- shifted Caps Lock	

(See page 56 for changing to Spanish language mode.)

After a character is entered, the cursor automatically advances to the next space after two seconds or when you enter a character on a different key.

Tip: The beginning of the word after the space is changed to upper/lower case depending on shift mode. You can change the shift mode by pressing Shift *.

Entering Symbols, Numbers, Preset Suffixes, and Smileys

To enter symbols:

1. In a text entry field, press **Mode** (right softkey).
2. Highlight **SYMBOL** and press Menu OK.
3. Highlight the line that includes your desired symbol.
4. Press the corresponding key (1-8) with each symbol.
   – or –
   Highlight your desired symbol by using the navigation key and press Menu OK.

To enter numbers:

1. In a text entry field, press **Mode** (right softkey).
2. Highlight **NUMBER** and press Menu OK.
3. Press the corresponding number key to enter the number.

Shortcut: Press and hold the corresponding number key to enter the number directly in alphabet mode or T9 mode.

To enter preset suffixes

The Preset Suffix menu is a preprogrammed list of common prefixes, suffixes, and punctuation strings (for example, "www.", ".com", and "//") designed to make text entry easier and more efficient.

1. In a text entry field, press **Mode** (right softkey).
2. Highlight **PRESET SUFFIX** and press Menu OK.
3. Highlight your desired word by using the navigation key and press Menu OK.

To enter "emoticons" (smileys):

1. In a text entry field, press **Mode** (right softkey).
2. Highlight **SMILEYS** and press Menu OK.
3. Highlight the line that includes your desired smiley.
4. Press the corresponding key (1-4) with each smiley.
   – or –
   Highlight your desired smiley by using the navigation key and press Menu OK.

Note: PRESET SUFFIX and **SMILEYS** do not apply in Ready Link mode.

Controlling Your Phone's Settings

In This Section

- Sound Settings
- Display Settings
- Location Settings
- Airplane Mode
- TTY Use
- Phone Setup Options

Using the menu options available on your Sanyo SCP-4920, you can customize your phone to sound, look, and operate just the way you want it to. This section describes how you can change your phone's settings to best suit your needs. Take a few moments to review these options and to adjust or add settings that are right for you.

Sound Settings

Ringer Types

Ringer types help you identify incoming calls and messages. You can assign ringer types to individual Contacts entries, types of calls, and types of messages.

- **Preprogrammed Ringers** include a variety of standard ringer types and familiar music.
- **Vibrating Ringer** alerts you to calls or messages without disturbing others.
- **Downloaded Ringers** can be downloaded right to your phone. (See "Downloading Premium Services Content" on page 178 and "Ringers" on page 182.)

Selecting Ringer Types for Voice Calls

Your phone provides a variety of ringer options that allow you to customize your ringer and volume settings. These options allow you to identify incoming calls by the ringer.

To select a ringer type for voice calls:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Sounds** and press Menu OK.
4. Select **Ringer Type** and press Menu OK.
5. Select **Voice Calls** and press Menu OK.
6. Select the menu under **With Caller ID** or **No Caller ID** and press Menu OK.
7. Select your desired ringer type and press Menu OK.
   - **Ringer Type** to select a ringer type. Scroll through available ringers to hear previews.
   - **Ringer & Voice** to notify you with Ringer & Voice for voice calls.
   - **Vibrate** to notify you by vibrating.
   - **Get New** to start up the browser so you can select an item to download (see page 104).

To select a distinctive ringer for voice calls while roaming:

1. Follow steps 1-5 on the previous page.
2. Select the menu under **Roaming** and press Menu OK.
3. Select **Distinctive** and press Menu OK.
   - To confirm the ringer, press **Play** (right softkey).
   - If you want to deactivate this feature, select **Normal** during step 3 above.

Selecting RingerTypes for Ready Link Calls

To select a ringer type for Ready Link calls:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Sounds** and press Menu OK.
4. Select **Ringer Type** and press Menu OK.
5. Select **Ready Link Calls** and press Menu OK.
6. Select the menu under **Ready Link Calls** and press Menu OK.
7. Select your desired ringer type and press Menu OK.
   - **Ringer Type** to select a ringer type. Scroll through available ringers to hear previews.

Selecting RingerTypes for Missed Ready Link Calls

To select a ringer type for Missed Ready Link calls:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Sounds** and press Menu OK.
4. Select **Ringer Type** and press Menu OK.
5. Select **R-Link Missed** and press Menu OK.
6. Select the menu under **R-Link Missed** and press Menu OK.
7. Select your desired ringer type and press Menu OK.
   - **Ringer Type** to select a ringer type. Scroll through available ringers to hear previews.
   - **Vibrate** to notify you by vibrating.

Selecting RingerTypes for Voicemail

To select a ringer type for voicemail:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Sounds** and press Menu OK.
4. Select **Ringer Type** and press Menu OK.
5. Select **Voicemail** and press Menu OK.
6. Select the menu under **Voicemail** and press Menu OK.
7. Select your desired ringer type and press Menu OK.
   - **Ringer Type** to select a ringer type. Scroll through available ringers to hear previews.
   - **Voice Ringer** to notify you with Voice for voicemail.
   - **Vibrate** to notify you by vibrating.
   - **Get New** to start up the browser so you can select an item to download (see page 104).

Selecting Ringer Types for Messages

To select a ringer type for messages:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Sounds** and press Menu OK.
4. Select **Ringer Type** and press Menu OK.
5. Select **Messaging** and press Menu OK.
6. Select the menu under **Messaging** and press Menu OK.
7. Select your desired ringer type and press Menu OK.
   - **Ringer Type** to select a ringer type. Scroll through available ringers to hear previews.
   - **Voice Ringer** to notify you with Voice for Messages.
   - **Vibrate** to notify you by vibrating.
   - **Get New** to start up the browser so you can select an item to download (see page 104).

Selecting Ringer Types for Calendar

To select a ringer type for calendar:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Sounds** and press Menu OK.
4. Select **Ringer Type** and press Menu OK.
5. Select **Calendar** and press Menu OK.
6. Select the menu under **Calendar** and press Menu OK.
7. Select your desired type and press Menu OK.
   - **Ringer Type** to select a ringer type. Scroll through available ringers to hear previews.
   - **Voice Ringer** to notify you with Voice for calendar events.
   - **Vibrate** to notify you by vibrating.
   - **Get New** to start up the browser so you can select an item to download (see page 104).

Selecting a Tone Length

Longer tone lengths may be better for tone recognition when dialing voicemail or other automated systems.

To select a tone length:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Sounds** and press Menu OK.
4. Select **Others** and press Menu OK.
5. Select the menu under **Tone Length** and press Menu OK.
6. Select **Short** or **Long** and press Menu OK.

Setting a Start-up/Power-off Tone

1. Follow steps 1-4 in "Selecting a Tone Length."
2. Select the menu under **Start-up Tone** or **Power-off Tone** and press Menu OK.
3. Select your desired tone and press Menu OK.
   - **Tone** to select a tone. Scroll through available tones to hear previews.
   - **Get New** to start up the browser so you can select a tone to download (see page 104).

Tip: You can set the volume of Start-up Tone and Power-off Tone. See next page.

Using Voice Prompt

This feature allows you to hear voice prompts at Voice Recorder, Screen Call setting, Voice Dial, etc. (default setting is On).

To deactivate this feature:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Sounds** and press Menu OK.
4. Select **Others** and press Menu OK.
5. Select the menu under **Voice Prompt** and press Menu OK.
6. Select **Off** and press Menu OK.

Tip: When ringer volume is set to "Silence All," voice prompts cannot be heard.

Adjusting the Phone's Volume Settings

You can adjust your phone's volume settings to suit your needs and your environment.

To adjust the ringer, start-up/power-off, or key beep volume:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Sounds** and press Menu OK.
4. Select **Ringer/Key Vol.** and press Menu OK.
5. Select the item you wish to change and press Menu OK.
   - **Ringer Volume** to adjust Ringer tone volume.
   - **Start-up/Pw-off** to adjust Start-up/Power-off tone volume.
   - **Key Beep** to adjust Key Beep tone volume.
6. Adjust a volume level by pressing the navigation key up or down and press Menu OK.
   - **Ringer Off** to set the Voice Call ringer volume to off. (Only appears in Ringer Volume setting.)
   - **Silence All** to set all the ringer volumes settings to off. (Only appears in Ringer Volume setting. See "Silence All" on page 40.)

To adjust the earpiece or speaker volume:

1. Follow steps 1-3 above.
2. Select **Receiver Vol.** and press Menu OK.
3. Select either **Earpiece** or **Speaker** and press Menu OK.
4. Adjust a volume level by pressing the navigation key up or down and press Menu OK.

Tip: You can adjust the ringer volume in standby mode (or the earpiece volume during a call) by using the Side Volume keys up or down.

Alert Notification

Your phone can alert you with an audible tone when you change service areas, once a minute during a voice call or a Ready Link call, or when a call has been connected.

- **Service** sets alert on or off for network services parameter changes.
- **Ready Link Calls** sets an alert to notify you of Ready Link calls.
- **R-Link Missed** sets an alert to notify you of missed Ready Link calls.
- **Voicemail** sets an alert to notify you of voice messages.
- **Messaging** sets an alert to notify you of text messages.
- **Minute Beep** sets a minute reminder that beeps ten seconds before the end of each minute during a call.
- **Signal Fade** sets an alert to notify you when your phone loses a signal during a call.

To set alerts:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Sounds** and press Menu OK.
4. Select **Alerts** and press Menu OK.
5. Select your desired option and press Menu OK.
6. If you selected **Service**, **Minute Beep**, or **Signal Fade**, select **On** and press Menu OK.
   – or –
   If you selected **Ready Link Calls**, **R-Link Missed**, **Voicemail**, or **Messaging**, select **Once** or **Repeat Alert** and press Menu OK.
   - To deactivate this feature, select **Off** during step 6 above.

Tip: **Repeat Alert** sounds an alert every two minutes for twenty minutes.

Tip: To set alerts for Ready Link calls, see "Setting an Alert Notification for Ready Link Calls" on page 145 for details.

Silence All

There may be times when you need to silence your phone entirely. The phone's Silence All option allows you to mute all sounds without turning your phone off.

To activate Silence All:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Sounds** and press Menu OK.
4. Select **Ringer/Key Vol.** and press Menu OK.
5. Select **Ringer Volume** and press Menu OK.
6. Press the navigation key down until **Silence All** appears on the display and press Menu OK.

Tip: When Ringer Volume is set as Silence All, other items are changed to Off and cannot be highlighted.

To deactivate Silence All:

- Press the volume key up repeatedly to select a desired volume level.

Display Settings

Changing the Text Greeting

The text greeting can be up to fifteen characters and is displayed on your phone's screen in standby mode. You may choose to display a custom greeting or you may display the default greeting on the phone's screen.

To display or change your custom greeting:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Display** and press Menu OK.
4. Select **Greeting** and press Menu OK.
5. Select **Custom** and press Menu OK.
   - You can customize the greeting by entering a personalized greeting. (See "Entering Text" on page 28.)
6. Press Menu OK.

To display the default greeting:

1. Follow steps 1-4 above.
2. Select **Default** and press Menu OK.
   - When you are in Ready Link mode, "Ready Link" appears on the display instead of the default greeting.

Changing the Backlight Time Length

The backlight setting lets you select how long the display screen and keypad are backlit after any key press is made.

To change the LCD backlight setting:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Display** and press Menu OK.
4. Select **Backlight** and press Menu OK.
5. Select **LCD** and press Menu OK.
6. Select **Always On**, **Always Off**, or your defined time length and press Menu OK.
   - **Always Off** always turns the backlight off.
   - **Always On** keeps the backlight on indefinitely.

Note: The **Always On** setting returns to the previous value the next time you turn on the phone.

To change the Keypad backlight setting:

1. Select **Key** during step 5 above, and press Menu OK.
2. Select **Always Off** or your defined time length and press Menu OK.

Note: Long backlight settings affect the battery's talk and standby times.

Changing the Display Screen Animation

Your new phone offers options for what you see on the display screen during various phone functions.

To change the display animation:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Display** and press Menu OK.
4. Select **Animation** and press Menu OK.
5. Select **Standby**, **Outgoing Calls**, or **Service Search**, and press Menu OK.
6. Select the menu under the item and press Menu OK.
7. Select your desired option and press Menu OK.
   - Press **Preview** (right softkey) to see a sample display.
   - For standby, you will also set the animation starting time. Select the option under **after** and press Menu OK, then highlight your desired setting time and press Menu OK.
   - **Get New** to start up the browser so you can select an item to download (see page 104).
   - To deactivate this feature, select **Off** during step 7 above.

Changing the Display for Incoming Calls

You can set the color or downloaded image to be shown on the Incoming Calls display.

To set your incoming calls display:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Display** and press Menu OK.
4. Select **Incoming Calls** and press Menu OK.
5. Select the menu under **Incoming Calls** and press Menu OK.
6. Select your desired color or downloaded image and press Menu OK.
   - **Preset** to select the pre-programmed color image.
   - **Off** to turn the image type off.
   - **Get New** to start up the browser so you can select an item to download (see page 104).
   - Press **Preview** (right softkey) to see an example display.

Changing the Display for Area Name

This feature enables you to show the area of the phone number you are calling or are called from when the number is not registered in your Contacts list. For example, a call to or from 213-555-5555 will display "California."

To set your area name display:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Display** and press Menu OK.
4. Select **Match Area Code** and press Menu OK.
5. Select **On** or **Off** and press Menu OK.
   - This feature is available only when the phone number is 10 digits, or 11 digits beginning with 1 and matches an area code.
   - The area name will not be displayed for numbers in your Contacts list or for incoming calls when an Animation Ringer is assigned.

Changing the Display for Standby Mode

This feature enables you to select a variety of items to display in standby mode.

To set your standby display:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Display** and press Menu OK.
4. Select **Standby Display** and press Menu OK.
5. Select your desired item and press Menu OK.
   - **Screen Saver** selects the screen saver to display.
   - **Calendar** displays the Calendar.
   - **Digital Clock** displays the local time in digital view.
   - **World Clock** displays the time of the selected city or country along with the local time. You can scroll the World Clock list by pressing the navigation key right or left. Press **Summer** (left softkey) or **Standard** (right softkey) to change between Daylight Savings and standard time if applicable. (The "☼" icon indicates Daylight Savings time.)

Tip: You can also display the World Clock from Tools/Extras menu. (See "Using the World Clock" on page 103.)

   - **Default** returns the standby display to its default setting.
6. Press Menu OK to save the setting to follow each system prompt or when confirming the preview display.

Tip: In an area without service, Screen Saver, Calendar, Digital Clock, or World Clock cannot be shown on the standby display.

Changing the Screen Saver

Your new wireless phone offers you the option of displaying a screen saver while in standby mode.

To assign a screen saver:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Display** and press Menu OK.
4. Select **Standby Display** and press Menu OK.
5. Select **Screen Saver** and press Menu OK.
6. Select the menu under **Screen Saver** and press Menu OK.
7. Select your desired screen saver and press Menu OK.
   - **Preset** to select a pre-installed screen saver.
   - **Get New** to start up the browser so you can select an item to download (see page 104).
   - Press **Preview** (right softkey) to see an example display.
8. Press **Save** (left softkey) to save the screen saver.

Changing the Background

You can customize your phone display's appearance by selecting a color scheme to reflect your personality.

To select a background color scheme:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Display** and press Menu OK.
4. Select **Background** and press Menu OK.
5. Select your desired color and press Menu OK.

Changing the Contrast

You can customize the display's contrast of your phone.

To change the display's contrast:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Display** and press Menu OK.
4. Select **Contrast** and press Menu OK.
5. Select your desired contrast and press Menu OK.

Changing the Font Size

You can change the font size settings for the message notification and browser.

To change the font size:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Display** and press Menu OK.
4. Select **Font Size** and press Menu OK.
5. Select either **Message** or **Browser** and press Menu OK.
6. Select your desired font size.
   - Press **Preview** (right softkey) to display a font size example.
7. Press Menu OK to set the selected font.

Tip: From the font example display, select your desired font size by pressing the navigation key right or left.

Location Settings

Your wireless phone is equipped with a Location feature for use in connection with location-based services that may be available in the future.

The Location feature allows the network to detect your position. Turning Location off will hide your location from everyone except 911.

Note: Even if the Location feature is enabled, no service may use your location without your express permission.

To enable your phone's Location feature:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Location** and press Menu OK. (You will see a message on the display.)
4. Press **OK** (left softkey) to continue.
   - Press the navigation key down to read the whole message.
5. Select **On** and press Menu OK.
   - To deactivate this feature, select **Off** during step 5 above.

When the Location feature is on, your phone's standby screen will display the ⊕ icon. When Location is turned off, the ⊕ icon will display.

Airplane Mode

Airplane Mode allows you to use many of your phone's features, such as Games, Voice Recorder, etc., when you are in an airplane or in any other area where making or receiving calls or data is prohibited. When your phone is in Airplane Mode, it cannot send or receive any calls or access online information.

To set your phone to Airplane Mode:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Others** and press Menu OK.
4. Select **Airplane Mode** and press Menu OK. (You will see a message on the display.)
5. Press **OK** (left softkey) to continue.
   - Press **Cancel** (right softkey) to return to previous menu.
6. Select **On** and press Menu OK.
   - To deactivate this feature, select **Off** during step 6.

While in Airplane Mode, your phone's standby screen will display "Phone Off."

TTY Use

A TTY (also known as a TDD or Text Telephone) is a telecommunications device that allows people who are deaf or hard of hearing, or who have speech or language disabilities, to communicate by telephone.

Your phone is compatible with select TTY devices. Please check with the manufacturer of your TTY device to ensure that it supports digital wireless transmission. Your phone and TTY device will connect via a special cable that plugs into your phone's headset jack. If this cable was not provided with your TTY device, contact your TTY device manufacturer to purchase the connector cable.

When establishing your wireless service, please call Qwest via the state Telecommunications Relay Service (TRS) by first dialing 7 1 1 TALK. Then provide the state TRS with this number: 866-727-4889.

To turn TTY mode on or off:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Others** and press Menu OK.
4. Select **TTY** and press Menu OK. (You will see a message on the display.)
5. Press **OK** (left softkey) to continue.
6. Select **Enable** or **Disable** and press Menu OK.

Note: When you connect TTY devices, your phone will display in TTY mode. If TTY mode is enabled, the audio quality of non-TTY devices connected to the headset jack may be impaired.

IMPORTANT NOTICE: 911 Emergency Calling
Sprint recommends that TTY users make Emergency calls by other means, including Telecommunications Relay Services (TRS), analog cellular, and landline communications. Wireless TTY calls to 911 may be corrupted when received by public safety answering points (PSAPs) rendering some communications unintelligible. The problem encountered appears related to TTY equipment or software used by PSAPs. This matter has been brought to the attention of the FCC, and the wireless industry and PSAP community are currently working to resolve this.

Phone Setup Options

Shortcut

Your phone offers you the option of assigning a shortcut key to a favorite or often-used function. Pressing the navigation key to the left in standby mode will launch your personally designated shortcut.

To assign your shortcut key:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Others** and press Menu OK.
4. Select **My Shortcut** and press Menu OK.
5. Select the menu under **My Shortcut** and press Menu OK.
   - Press **Info** (right softkey) during step 5 above to see an information screen.
6. Highlight the option you wish to assign as your shortcut and press Menu OK.

Auto Answer Mode

You may set your phone to automatically pick up incoming calls when connected to an optional hands-free car kit and headset (sold separately).

To set Auto Answer mode:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Others** and press Menu OK.
4. Select **Auto Answer** and press Menu OK.
5. Select **Car Kit/Headset** or **Speaker Phone** and press Menu OK.
6. Select either **5 Seconds** or **15 Seconds** and press Menu OK.
   - To deactivate this feature, select **Off** during step 6 above.

Setting Any Key Answer

This feature allows you to answer incoming calls by pressing any key (except , , , , , Softkey [right], or Navigation Key).

To activate this feature:

1. Press to access the main menu.
2. Select **Settings** and press .
3. Select **Others** and press .
4. Select **Any Key Answer** and press .
5. Select **On** and press .
   - To deactivate this feature, select **Off** during step 5 above.

Setting Abbreviated Dialing

Abbreviated Dialing is another form of speed dialing. It allows you to dial a number by entering just the last four digits of any number in your Contacts Directory. If the last four digits you enter do not match any stored Contacts entry, the digits are automatically prepended with the area code and prefix you specify.

To activate this feature:

1. Press to access the main menu.
2. Select **Settings** and press .
3. Select **Others** and press .
4. Select **Abbrev. Dial** and press .
5. Select **Enable** and press .
6. Enter a six-digit number (area code and prefix) and press **OK** (left softkey).
   - To deactivate this feature, select **Disable** during step 5 above.

Tip: If you enter fewer than 6 digits, the display shows a warning message. (See "Using Abbreviated Dialing" on page 27.)

Headset Mode

This feature allows you hands-free phone use. Set the headset mode to Voice Call or Ready Link and press the Turbo Button (the operation button) on the headset to activate useful functions.

To set headset mode:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Others** and press Menu OK.
4. Select **Headset Mode** and press Menu OK.
5. Select **Voice Call** or **Ready Link** and press Menu OK.
   - Press **Info** (right softkey) during step 5 above to see the Headset Mode information screen.
   - To deactivate this feature, select **Off** during step 5 above.

Using the phone with headset mode activated:

- **Voice Call:** Press the Turbo Button to activate Voice dial. Press twice to redial the last call. Press and hold the button to activate the Voice Recorder.
- **Ready Link:** Press and hold the Turbo Button to redial the last Ready Link call.

Note: If your headset doesn't have a Turbo Button, set headset mode to Off.

Sleep Mode

This feature helps conserve your battery power by restricting the display.

To set sleep mode:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Display** and press Menu OK.
4. Select **Sleep Mode** and press Menu OK.
5. Select your desired option and press Menu OK.
   - To deactivate this feature, select **Off** during step 5 above.

Setting Message Notification

You can see a pop-up message notification when you receive a text message or Voicemail while you are in Sprint PCS Vision applications, browser mode, or Voice Calls.

To set message notification:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Messaging** and press Menu OK.
4. Select **Display Pop-up** and press Menu OK.
5. Highlight the box and press Menu OK to check/uncheck the box next to **Games/Apps**, **Browser**, or **Voice Calls**.
6. Press **Save** (left softkey).
   - Press **Info** (right softkey) during step 5 above to see the Messages information.

Editing Preset Messages

Your phone can store pre-set messages for use with text messaging. You can edit your phone's default preset messages through the Settings menu. (For more information on using preset messages, see page 167.)

To edit your phone's preset messages:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Messaging** and press Menu OK.
4. Select **Preset Msgs** and press Menu OK.
5. Select the message you want to edit and press Menu OK.
6. Use your keypad to edit the message and press **OK** (left softkey) to save your changes. ("Preset Msg Saved" will display.)
   - To reset all messages, press **Options** (right softkey), select **Reset All Msgs**, and press Menu OK during step 5 above.

Note: For information on editing text, see "Entering Text" on page 28.

Setting Your Callback Number

With this feature, you can send a callback number with your text message.

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Messaging** and press Menu OK.
4. Select **Send Callback#** and press Menu OK.
5. Select an option from the following and press Menu OK.
   - **None** to send no callback number.
   - **My Phone#** to send your phone number.
   - **Other** to send a defined number. To set a number, enter a phone number and press Menu OK.

Setting the Current Time

To set the current time when you are roaming in an area with no digital network:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Others** and press Menu OK.
4. Select **Set Time/Date** and press Menu OK.
5. Set the current time and date and press Menu OK.

Note: This feature is only available when you are in an area with no digital network available.

Display Language

You can choose to display your wireless phone's onscreen menus in English or in Spanish.

To assign a language for the phone's display:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Others** and press Menu OK.
4. Select **Language** and press Menu OK.
5. Select **English** or **Español** and press Menu OK.

Setting Key Guard

Setting Key Guard helps you avoid accidental key presses without blocking incoming calls or messages. This feature can only be activated when your phone is in standby mode.

To activate Key Guard:

- Press and hold BACK.

  – or –

1. Press Menu OK to access the main menu.
2. Highlight **Key Guard** and press Menu OK.

To deactivate Key Guard:

- Press and hold BACK.

Tip: When Key Guard is set, only Emergency numbers (9 1 1, # 9 1 1, or * 9 1 1) may be dialed or played using Key Press Echo.

Setting Up Key Press Echo

With this feature, your phone echoes the number when you press the keypad. This feature is available when you are in standby mode.

To start Key Press Echo:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Sounds** and press Menu OK.
4. Select **Others** and press Menu OK.
5. Select **Key Press Echo** and press Menu OK.
6. Select **On** and press Menu OK.

Setting Your Phone's Security

In This Section

- Accessing the Security Menu
- Using Your Phone's Lock Feature
- Restricting Calls
- Using Special Numbers
- Erasing the Contacts Directory
- Erasing All Downloads
- Resetting Your Phone
- Security Features for Sprint PCS Vision℠

By using the security settings on your Sanyo SCP-4920, you receive peace of mind without sacrificing flexibility. This section will familiarize you with your phone's security settings. With several options available, you can customize your phone to meet your personal needs.

Accessing the Security Menu

All of your phone's security settings are available through the Security menu. You must enter your lock code to view the Security menu.

To access the Security menu:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Security** and press Menu OK.
4. Enter your lock code. (The Security menu is displayed.)

Tip: If you can't recall your lock code, try using the last four digits of either your Social Security number or phone number or try 0000. If none of these work, call Qwest Wireless™ Repair at 1-888-879-0611.

Using Your Phone's Lock Feature

Locking Your Phone

When your phone is locked, you can only receive incoming calls or make calls to 911 or special numbers.

To lock your phone:

1. From the Security menu (see "Accessing the Security Menu" on page 58), select **Lock Phone** and press Menu OK.
2. Highlight **Lock Now** or **On Power-up** and press Menu OK.
3. Depending on your preference, highlight either **Full Lock** or **Excp. Incom.Calls** and press Menu OK.
   - **Full Lock:** No phone calls can be made, except for Emergency number, or special numbers. No phone calls can be received except for special numbers.
   - **Excp. Incom.Calls:** No phone calls can be made, except for Emergency number or special numbers, but all incoming calls can be received.

Tip: If you want to cancel the "On Power-up" setting before turning the phone off, select **Unlocked** during step 2 above.

Unlocking Your Phone

To unlock your phone:

1. Press **Unlock** (left softkey).
2. Enter your lock code. (Your phone will unlock and return to standby mode.)

Changing the Lock Code

To change your lock code:

1. From the Security Menu display (see "Accessing the Security Menu" on page 58), select **Others** and press Menu OK.
2. Select **Change Lock** and press Menu OK.
3. Enter a new lock code, ("1234" for example) under **New Code**.
4. Reenter the new code under **Reenter Code**.

Calling in Lock Mode

You can place calls to 911 and to your special numbers when in lock mode. (For information on special numbers, see "Using Special Numbers" on page 62.)

To place an outgoing call in lock mode:

- To call an Emergency number or a special number, enter the phone number and press TALK.

Restricting Calls

There may be occasions when you want to limit the numbers your phone can call or from which it can receive calls. You can use the Restrict Calls setting to do just that. (The Restrict Calls setting does not apply to 911.)

To restrict calls:

1. From the Security Menu display (see "Accessing the Security Menu" on page 58), select **Others** and press Menu OK.
2. Select **Limit Use** and press Menu OK.
3. Select **Outgoing Calls** or **Incoming Calls** and press Menu OK.
4. Highlight your desired option and press Menu OK.
   - **Allow All** lets you make or receive all calls.
   - **Phone Book Only** lets you make or receive calls to or from Contacts entries, Voicemail, or special numbers only.
   - **Special #s Only** lets you make or receive calls to or from three special numbers only. (See "Using Special Numbers" on page 62.)

Note: Restricted incoming calls are forwarded to voicemail.

Using Special Numbers

Special numbers are important numbers that you have designated as being "always available." You can call and receive calls from special numbers even if your phone is locked.

You can save 3 special numbers in addition to your Contacts entries (the same number may be in both directories).

To add or replace a special number:

1. From the Security Menu display (see "Accessing the Security Menu" on page 58), select **Others** and press Menu OK.
2. Select **Special #s** and press Menu OK.
3. Select the box under an entry number and press Menu OK.
4. Enter your desired phone number and press Menu OK.
   – or –
   Press **Options** (right softkey), select **From Phone Book** or **Voicemail**, and press Menu OK.
5. When you have finished entering or changing your special numbers, press **Done** (left softkey).

To insert pauses into a special number:

1. From step 4 above, enter the phone number and press **Options** (right softkey) for the options.
2. Highlight **Hard Pause**, **2-Sec. Pause**, or **Hyphen** and press Menu OK.
3. Finish entering the rest of the numbers and press Menu OK.

Erasing the Contacts Directory

You can quickly and easily erase all of the contents of your Contacts Directory.

To erase all the names and phone numbers in your Contacts Directory:

1. From the Security Menu display (see "Accessing the Security Menu" on page 58), select **Erase Ph. Book** and press Menu OK.
2. If you're sure you want to erase your Contacts, select **Yes** and press Menu OK.

Erasing All Downloads

To erase all data downloaded from the Web:

1. From the Security Menu display (see "Accessing the Security Menu" on page 58), select **Erase Download** and press Menu OK.
2. If you're sure you want to erase all data downloaded from the Web, select **Yes** and press Menu OK.
   - If you have assigned downloaded data, the function returns to its default setting.

Resetting Your Phone

Resetting the phone restores all the factory defaults, including the ringer types and display settings. The Contacts, Call History, Scheduler, and Messaging are not affected.

To reset your phone:

1. From the Security Menu display (see "Accessing the Security Menu" on page 58), select **Reset Phone** and press Menu OK.
2. If you're sure you want to reset your phone, select **Yes** and press Menu OK.

Security Features for Sprint PCS Vision℠

Enabling and Disabling Sprint PCS Vision Services

You can disable Sprint PCS Vision services without turning off your phone; however, you will not have access to all Sprint PCS Vision services, including Web and messaging. Disabling Vision will avoid any charges associated with Vision services. While signed out, you can still place or receive phone calls, check voicemail, and use other voice services. You may enable Sprint PCS Vision services again at any time.

To disable Sprint PCS Vision services:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **PCS Vision** and press Menu OK.
4. Select **Disable Vision** and press Menu OK. (A message will appear.)
5. Press **Disable** (right softkey) to confirm that you want to sign out.

To enable Sprint PCS Vision services:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **PCS Vision** and press Menu OK.
4. Select **Enable Vision** and press Menu OK.
5. Press **OK** (left softkey) to sign in.

Controlling Your Roaming Experience

In This Section

- Understanding Roaming
- Setting Your Phone's Roam Mode
- Controlling Roaming Charges Using Call Guard

Roaming is the ability to make or receive calls when you're off the network provided to you. Your new dual-band/tri-mode Sanyo SCP-4920 works anywhere on the network provided to you and allows you to roam on other analog and 1900 and 800 MHz digital networks where we've implemented roaming agreements with other carriers.

This section explains how roaming works as well as special features that let you manage your roaming experience.

Understanding Roaming

Recognizing Icons on the Display Screen

Your phone's display screen always lets you know when you're off the network provided to you and whether your phone is operating in analog or digital mode. The following chart indicates what you'll see depending on where you're using your phone.

	Roaming Indicator	Analog Indicator
Home Network		
Other Digital Networks	Digital Roam	
Analog Networks		Analog Roam

Tip: Remember, when you are using your phone off the network provided to you, always dial numbers using 11 digits (1 + area code + number).

Note: You will pay a higher per-minute rate for roaming calls.

Roaming on Other Digital Networks

When you're roaming on digital networks, your call quality and security will be similar to the quality you receive when making calls on the network provided to you. However, you may not be able to access certain features, such as Sprint PCS Vision.

Note: Ready Link Service is not available in roaming areas.

Roaming on Analog Networks

When you roam on analog networks, you will experience a similar quality provided by other analog carriers today. Although some features, such as Sprint PCS Vision and Ready Link, will be unavailable, you can still make and receive calls and access voicemail. If you are accustomed to network service, you may notice some of the following differences when using analog service:

- You are more likely to experience static, cross-talk, fade-out, and dropped calls.
- Some features which are standard on the network provided to you, such as call waiting, Sprint PCS Vision, Ready Link, and direct international dialing, may not be available.
- Though callers can leave voicemail messages while you are roaming, you may not receive notification until you return to your home network. (See "Checking for Voicemail Messages While Roaming" on page 68).
- There are security and privacy risks (eavesdropping and cloning) that exist with conventional analog services today.
- Your battery's charge will deplete more quickly and you will need to recharge it more often when you use your phone for analog roaming.

Note: If you're on a call when you leave the network provided to you and enter an area where roaming is available (whether digital or analog), your call is dropped. If your call is dropped in an area where you think network service is available, turn your phone off and on again to reconnect to the network provided to you.

Note: When using your phone in analog mode, the phone may feel warm. This is normal for analog operation.

Checking for Voicemail Messages While Roaming

When you are roaming off the network provided to you, you may not receive on-phone notification of new voicemail messages. Callers can still leave messages, but you will need to periodically check your voicemail for new messages if you are in a roaming service area for an extended period of time.

To check your voicemail while roaming:

- Dial 1+area code+your wireless phone number.

When you return to your home network, voicemail notification will resume as normal.

Setting Your Phone's Roam Mode

Your phone allows you to control your roaming capabilities. By using the **Roaming** menu option, you can determine which signals your phone accepts.

Set Mode

Choose from three different settings on your dual-band/tri-mode phone to control your roaming experience.

To set your phone's roam mode:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Roaming** and press Menu OK.
4. Select **Set Mode** and press Menu OK.
5. Select an option from the following and press Menu OK.
   - **Digital** allows you to access the network provided to you only and prevents roaming on other networks.
   - **Automatic** seeks network service. When network service is unavailable, the phone searches for an alternate system.
   - **Analog** forces the phone to seek an analog roaming system. The previous setting (Digital or Automatic) is restored the next time the phone is turned on.

Controlling Roaming Charges Using Call Guard

Your phone has two ways of alerting you when you are roaming off the network provided to you: the onscreen roaming icon and Call Guard. Call Guard makes it easy to manage your roaming charges by requiring an extra step before you can place or answer a roaming call. (This additional step is not required when you make or receive calls while on the network provided to you.)

To turn Call Guard on or off:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Roaming** and press Menu OK.
4. Select **Call Guard** and press Menu OK.
5. Select **On** or **Off** and press Menu OK.

To place roaming calls with Call Guard on:

1. From standby mode, dial 1 + area code + the seven-digit number. (You can also initiate a call from the Contacts directory, Call History, or Messaging.)
2. Press TALK or **Speaker** (left softkey) (or press **Options** [right softkey] and highlight **Call** or **Call:Speaker On**) and press Menu OK.
3. Press 1 to proceed while the pop-up message is displayed.
   – or –
   Press any key to erase the pop-up message, press **Options** (right softkey), highlight **Roam Call**, or **Roam:Speaker On**, and press Menu OK.

To answer incoming roaming calls with Call Guard on:

- Press **Options** (right softkey), highlight **Answer** or **Answer:Speaker**, and press Menu OK.

  – or –

1. Press TALK or **Speaker** (left softkey).
2. Press 1 to proceed while the pop-up message is displayed.

Reminder: If the Call Guard feature is set to **On**, you need to take extra steps to make and receive roaming calls, even if you have selected the **Analog** setting (see page 68).

Navigating Through Menus

In This Section

- Menu Navigation
- Menu Structure
- Viewing the Menus

Every function and feature of your new wireless phone can be accessed through an onscreen menu. This section is a road map to using your Sanyo SCP-4920. Please take a few moments to learn your way around and you'll find your phone easier to use.

Menu Navigation

The navigation key on your phone allows you to scroll through menus quickly and easily. The scroll bar at the right of the menu keeps track of your position in the menu at all times.

To navigate through a menu, simply press the navigation key up or down.

Menu Structure

Selecting Menu Items

As you navigate through the menu, menu options are highlighted. Select any numbered option by simply pressing the corresponding number on the phone's keypad. You may also select any item by highlighting it and pressing Menu OK.

For example, if you want to view your last incoming call:

1. Press Menu OK to access the main menu.
2. Select **Call History** by pressing Menu OK. (It may already be highlighted.)
3. Select **Incoming** by pressing 2 or by highlighting it and pressing Menu OK. (If you have received any calls, they are displayed on the screen.)

Backing Up Within a Menu

To go to the previous menu:

- Press BACK.

To return to standby mode:

- Press END.

Shortcuts

- **Right** navigation key to take a shortcut to the **Contacts** menu.
- **Left** navigation key to take a shortcut to the **My Shortcut** menu. (See page 51 for setting.)
- **Up** navigation key to take a shortcut to the **Messaging** menu.
- **Down** navigation key to take a shortcut to the **Downloads** menu.

Viewing the Menus

Menu Diagram

The following list outlines your phone's menu structure.

1. **Call History**
   1. Outgoing
   2. Incoming
   3. Missed
   4. Erase History
2. **Contacts**
   1. Find/Add Entry
   2. Speed Dial #s
   3. My Phone#
   4. Services
3. **Messaging**
   1. Send Text
   2. Picture Mail
   3. Text Msg
   4. Voicemail
4. **Web**
5. **Downloads**
   - Games
   - Ringers
   - Screen Savers
   - Applications
   - Dynamic 1-10 (If applicable)
   - Others
6. **Settings**
   1. Sounds
      1. Ringer/Key Vol.
      2. Ringer Type
      3. Alerts
      4. Receiver Vol.
      5. Others
   2. Display
      1. Backlight
      2. Greeting
      3. Font Size
      4. Background
      5. Contrast
      6. Animation
      7. Incoming Calls
      8. Match Area Code

9. Standby Display
10. Sleep Mode

3. PCS Vision
   1. Enable (or Disable) Vision
   2. Net Guard
   3. Update Profile
4. Ready Link
   1. Enable/Disable
   2. List Update
   3. Restart R-Link
   4. R-Link Guard
   5. Ringer Type
   6. Alerts
   7. Speakerphone
   8. Default View
5. Location
6. Roaming
   1. Set Mode
   2. Call Guard
7. Messaging
   1. Display Pop-up
   2. Preset Msgs
   3. Send Callback#
8. Security
   1. Lock Phone
   2. Erase Ph. Book
   3. Erase Download
   4. Reset Phone
   5. Others
9. Others
   1. Any Key Answer
   2. Auto Answer
   3. Abbrev. Dial
   4. Headset Mode
   5. TTY
   6. My Shortcut
   7. Airplane Mode
   8. Set Time/Date
   9. Language
0. Phone Info
   1. Phone#/User ID
   2. Help
   3. Version
   4. Advanced

7. Tools/Extras

1. Calendar
2. Alarm Clock
3. Calculator
4. World Clock
5. PC Sync
    1. Ringers
    2. Images
    3. Erase Data

8. Voice Services

1. Voice Recorder
    1. Record
    2. Play
    3. Play:Speaker
    4. Erase All
2. Screen Call
    1. Auto
    2. Annoucement
3. Voice Dial
    1. Program
    2. Review
    3. Review:Speaker
    4. Erase All

9. Key Guard

Managing Call History

In This Section

- Viewing History
- Call History Options
- Making a Call From Call History
- Saving a Phone Number From Call History
- Prepending a Phone Number From Call History
- Erasing Call History

The Call History keeps track of incoming calls, calls made from your wireless phone, and missed calls. This section guides you through accessing and making the most of your Call History.

Viewing History

You'll find the Call History feature very helpful. They are lists of the last 20 voice calls and the last 10 Ready Link calls that you placed, accepted, or missed. Call History makes redialing a number fast and easy. It is continually updated as new numbers are added to the beginning of the list and the oldest entries are removed from the bottom of the list.

Each entry contains the phone number (if it is available) and contact's name (if the phone number is in your Contacts). Duplicate calls (same number and type of call) may only appear once on the list.

To view a Call History entry:

1. Press Menu OK to access the main menu.
2. Select **Call History** and press Menu OK.
3. Select **Outgoing**, **Incoming**, or **Missed** and press Menu OK. (The selected Call History list will display.)

Tip: You can switch the Voice Call history to the Ready Link call history by pressing **R-Link** (left softkey). To return to the Voice Call history, press **Voice Call** (left softkey).

Call History Options

For additional information and options on a particular call, highlight a Call History entry and press **Options** (right softkey).

- **Call** to dial the phone number.
- **Call:Speaker On** to dial the phone number in speakerphone mode.
- **Send Text** to send a text message. (See page 167 for details.)
- **Save Phone#** to save the phone number (if applicable). If the caller's phone number is already saved in your Contacts list, **Go to Phone Book** appears. (See "Saving a Phone Number From Call History" on page 78.)
- **Prepend** to add numbers to the beginning of the phone number. (See "Prepending a Phone Number From Call History" on page 79.)
- **Copy to Personal** to copy the phone number to the Ready Link Personal List. (Only appears when Ready Link mode is set to Enable and the number does not match any stored entry in your Personal List.)
- **Erase** to erase the entry.

Making a Call From Call History

To place a call from Call History:

1. Press Menu OK to access the main menu.
2. Select **Call History** and press Menu OK.
3. Select **Outgoing**, **Incoming** or **Missed** and press Menu OK.
4. Highlight the entry you want to call by scrolling through the list.
5. Press TALK.
   – or –
   Press **Options** (right softkey), highlight **Call** or **Call:Speaker On**, and press Menu OK.

Note: You cannot make calls from Call History to entries identified as **No ID** or **Restricted**.

Saving a Phone Number From Call History

Your phone can store up to 500 phone numbers in up to 300 Contacts entries (an entry may contain up to seven numbers). Each entry's name can contain sixteen characters.

To save a phone number from Call History:

1. Highlight the call history entry you want to save.
2. Press **Options** (right softkey) to display the options.
3. Highlight **Save Phone#** and press Menu OK.
4. Highlight the appropriate label (Mobile, Home, Work, Pager, Fax, Other, or No Label) and press Menu OK.
5. Enter a name and press Menu OK.
   If you have already stored entries in the Contacts list, you are prompted to select the following entry mode:
   - **New Name** to enter a name directly.
   - **From Ph. Book** to select a name from the Contacts list.
6. Press **Save** (left softkey).

Note: You cannot save phone numbers already in your Contacts list or from calls identified as **No ID** or **Restricted**. If the selected entry has already been stored in the Contacts list, **Go to Phone Book** appears during step 3 above.

Prepending a Phone Number From Call History

If you need to place a call from Call History and you happen to be outside your local area code, you can add the appropriate prefix by prepending the number.

To prepend a phone number from Call History:

1. Highlight a call history entry and press **Options** (right softkey).
2. Highlight **Prepend** and press Menu OK.
3. Enter the digits you want to add to the number.
4. Press TALK or **Speaker** (left softkey) to place a call.

To select another option, press **Options** (right softkey), highlight it and press Menu OK.

- **Call** to dial the phone number.
- **Call:Speaker On** to dial the phone number in speakerphone mode.
- **Save Phone#** to store the phone number in your Contacts directory.
- **H Hard Pause** to insert a hard pause.
- **T 2-Sec. Pause** to insert a 2-second pause.

Erasing Call History

To erase individual Call History entries, see "Call History Options" on page 77.

To erase Call History:

1. Press Menu OK to access the main menu.
2. Select **Call History** and press Menu OK.
3. Select **Erase History** and press Menu OK.
4. Select **Outgoing**, **Incoming**, **Missed**, or **All** and press Menu OK.
5. Select **Voice Calls** or **Ready Link** and press Menu OK.
   - **Voice Calls** to erase call history for voice calls.
   - **Ready Link** to erase call history for Ready Link calls.
6. Select **Yes** and press Menu OK.

Using the Contacts Directory

In This Section

- Displaying the Contacts List
- Adding a New Contacts Entry
- Finding Contacts List Entries
- Contacts List Entry Options
- Adding a Phone Number to a Contacts Entry
- Editing a Contacts Entry's Phone Number
- Assigning Speed Dial Numbers
- Editing a Contacts Entry
- Selecting a Ringer/Image Type for an Entry
- Secret Contacts Entries

Now that you know the basics that make it easier to stay in touch with people and information, you're ready to explore your phone's more advanced features. This section explains how to use your phone's Contacts and helps you make the most of your contacts and time when you are trying to connect with the important people in your life.

Displaying the Contacts List

To display your Contacts list:

- Press the navigation key right.

  – or –

1. Press Menu OK to access the main menu.
2. Select **Contacts** and press Menu OK.
3. Select **Find/Add Entry** and press Menu OK.

Adding a New Contacts Entry

Your phone can store up to 500 phone numbers in up to 300 Contacts entries (an entry may contain up to seven numbers). Each entry's name can contain sixteen characters.

To add a new entry:

1. Press Menu OK to access the main menu.
2. Select **Contacts** and press Menu OK.
3. Select **Find/Add Entry** and press Menu OK.
   - Press the navigation key right for the shortcut (steps 1 through 3).
4. Highlight **<Add Contact>** and press Menu OK.
5. Enter a name and press Menu OK.
6. Select a label by using your navigation key and press Menu OK.
7. Enter the phone number or address and press Menu OK.
8. Press **Save** (left softkey).

   – or –

1. Press the navigation key right to display the Contacts list.
2. Highlight an entry and press **Options** (right softkey).
3. Highlight **Add New Contact** and press Menu OK.
4. Follow steps 5-8 above.

Tip: You can also add a new Contacts entry by entering a number from standby mode. See "Saving a Phone Number" on page 24.

Finding Contacts List Entries

There are several ways to display your Contacts entries: by name, by speed dial number, by group, and by voice dial tags. Follow the steps outlined in the sections below to display entries from the Contacts list menu.

Finding Names

To find Contacts list entries by name:

1. Press Menu OK to access the main menu.
2. Select **Contacts** and press Menu OK.
3. Select **Find/Add Entry** and press Menu OK.
   - Press the navigation key right for the shortcut (steps 1 through 3).
4. Use your navigation key to scroll through the Contacts list.
   – or –
   Enter the first letter of the name or part of the name. (The display shows the entries beginning with the letter entered.)
5. Press Menu OK to display the entry's details.

To find Ready Link List entries:

1. From standby mode, press the navigation key right to display your Contacts list.
2. Press **Go to** (left softkey). Highlight your desired list and press Menu OK.
   - **Phone Book** to display the Contacts list.
   - **Personal List** to display the Personal List.
   - **Personal Groups** to display the Personal Group List.
3. Scroll through the list and press Menu OK to select your desired entry.

Note: The **Go to** (left softkey) option does not appear when Ready Link mode is set to Disable (see "Setting Ready Link Mode" on page 127).

Finding Speed Dial Numbers

To find phone numbers you have stored in speed dial locations:

1. Press Menu OK to access the main menu.
2. Select **Contacts** and press Menu OK.
3. Select **Speed Dial #s** and press Menu OK. (The Speed Dial numbers list appears.)

Finding Voice Dial Numbers

To find phone numbers you have stored in Voice Dial:

1. Press Menu OK to access the main menu.
2. Select **Voice Services** and press Menu OK.
3. Select **Voice Dial** and press Menu OK.
4. Select **Review** or **Review:Speaker** and press Menu OK. (The Voice Dial numbers list appears.)

Contacts List Entry Options

To access a contact's options, display the Contacts list, highlight an entry and press Menu OK. Then select a phone number and press **Options** (right softkey). To select an option, highlight it and press Menu OK.

- **Edit** to edit the selected entry.
- **Call** to dial the selected number.
- **Call:Speaker On** to dial the phone number in speakerphone mode.
- **Send Text** to send a text message (mobile numbers only). (See page 167 for details.)
- **Call Alarm** to set a call alarm for the entry. (See page 95 for Call Alarm.)
- **Set Speed Dial** to assign speed dial numbers to your favorite entries. (See "Assigning Speed Dial Numbers" on page 86.)
- **Set Voice Dial** to set a voice dial for the entry. (See page 114 for Voice Dial.)
- **Prepend** to alter a phone number by adding numbers to the beginning of the entry. (See "Prepending a Phone Number From Call History" on page 79.)
- **Copy to Personal** to copy the phone number to your Ready Link Personal List. (Only appears when Ready Link mode is set to Enable and the number does not match any stored entry in your Personal List.)

To erase the selected entry from the Contacts list:

1. From standby mode, press the navigation key right to display the Contacts list.
2. Highlight the entry you wish to delete by using the navigation key.
3. Press **Options** (right softkey).
4. Highlight **Erase Contact** and press Menu OK.
5. Select **Yes** and press Menu OK.

Adding a Phone Number to a Contacts Entry

To add a phone number to an entry:

1. From standby mode, press the navigation key right to display the Contacts list.
2. Highlight the entry you wish to add a phone number and press Menu OK.
3. Highlight a phone number, press **Options** (right softkey), highlight **Edit**, and press Menu OK.
4. Highlight the label field you want to add and press Menu OK.
5. Enter the number and press Menu OK.
6. Press **Save** (left softkey).

Editing a Contacts Entry's Phone Number

To edit an entry's phone number:

1. From standby mode, press the navigation key right.
2. Highlight the entry you wish to edit and press Menu OK.
3. Highlight a phone number, press **Options** (right softkey), highlight **Edit**, and press Menu OK.
4. Select the number you want to edit and press Menu OK.
5. Edit the entry by using your keypad and press Menu OK.
6. Press **Save** (left softkey) to save your changes.

Assigning Speed Dial Numbers

With this feature you can dial Contacts Directory entries with one key press for locations 2-9. Save your memory locations 2-9 for speed dialing your most commonly used phone numbers. Speed Dial numbers must be stored in your Contacts to use this feature.

To assign Speed Dial:

1. Press Menu OK to access the main menu.
2. Select **Contacts** and press Menu OK.
3. Select **Speed Dial #s** and press Menu OK.
4. To select a corresponding speed dial number from 2-9, highlight an unassigned number and press Menu OK.
5. Select an entry from the list and press Menu OK.
6. Select the phone number you want to set as a speed dial and press Menu OK.

– or –

1. Press the navigation key right.
2. Highlight your desired entry by scrolling through the Contacts list and press Menu OK.
3. Highlight the phone number you want to set as a speed dial and press **Options** (right softkey).
4. Highlight **Set Speed Dial** and press Menu OK.
5. Highlight an unassigned number and press Menu OK.

Tip: When you highlight an assigned number and press Menu OK, you'll be asked whether you want to overwrite the assigned number. Select **Yes** to overwrite or **No** to cancel.

To cancel a stored speed dial number:

1. Press Menu OK to access the main menu.
2. Select **Contacts** and press Menu OK.
3. Select **Speed Dial #s** and press Menu OK.
4. Highlight the stored speed dial number you want to cancel and press Menu OK.
5. Highlight **Unassign** and press Menu OK.

To use Speed Dial:

- From standby mode, just press and hold the appropriate key.

Editing a Contacts Entry

To make changes to an entry:

1. Press the navigation key right.
2. Highlight the entry you wish to edit and press Menu OK.
3. Highlight a phone number, press **Options** (right softkey), highlight **Edit**, and press Menu OK.
   – or –
   Highlight an email address or Web address and press **Edit** (right softkey).
4. Select the field you want to edit and press Menu OK.
5. Edit the entry by using your keypad and press Menu OK.
6. Press **Save** (left softkey) to save your changes.

Selecting a Ringer/Image Type for an Entry

You can assign a ringer or an image type to a Contacts entry so you can identify the caller by the ringer or image type. (See "Ringer Types" on page 33.)

To select a ringer type for an entry:

1. Press the navigation key right.
2. Select the entry for which you want to set the incoming ringer and press Menu OK.
3. Highlight a phone number, press **Options** (right softkey), highlight **Edit**, and press Menu OK.
   – or –
   Highlight an email address or Web address and press **Edit** (right softkey).
4. Scroll to **Ringer** and press Menu OK.

5. Highlight your desired ringer type and press Menu OK.
   - **Ringer Type** to select a ringer type. Scroll through available ringers to hear previews.
   - **Ringer & Voice** to notify you with Ringer and Voice.
   - **Vibrate** to notify you by vibrating.
   - **Normal** to set Ringer to the incoming calls setting (see page 33).
   - **None** to turn the ringer type off.
   - **Get New** to start up the browser so you can select an item to download.
6. Press **Save** (left softkey) to save the ringer type.
   - To confirm the ringer, highlight **Ringer** and press **Play** (right softkey).

To select an image type for an entry:

1. Follow steps 1-3 on the previous page.
2. Scroll to **Picture ID** and press Menu OK.
3. Highlight your desired image type and press Menu OK.
   - **Normal** to set Image to the incoming calls setting (see page 44).
   - **None** to turn the image type off.
   - **Get New** to start up the browser so you can select an item to download.
4. Press **Save** (left softkey) to save the image type.
   - To see a display preview of an image, press **Preview** (right softkey) during step 5 above.

Note: If you set an animation ringer (indicated with icon) and an image, your phone plays the ringer (audio) of the animation ringer and displays the image you selected.

Secret Contacts Entries

You can hide an entry's phone number(s) and require your lock code to edit the entry by making it secret. The entry name is still displayed, but the entry's phone numbers are replaced with "<Secret>".

To make an entry secret:

1. Press the navigation key right.
2. Scroll to the Contacts entry you want to tag secret.
3. Press **Options** (right softkey) to display the menu options.
4. Highlight **Set Secret** and press Menu OK.
5. Enter the 4-digit lock code.
6. Select **On** and press Menu OK.

To make an entry public:

1. Press the navigation key right.
2. Scroll to the Contacts entry you want to tag public.
3. Press **Options** (right softkey) to display the menu options.
4. Highlight **Set Secret** and press Menu OK.
5. Enter the 4-digit lock code.
6. Select **Off** and press Menu OK.

Tip: If you can't recall your lock code, try using the last four digits of either your Social Security number or your wireless phone number or try 0000. If none of these work, call Qwest Wireless™ Repair at 1-888-879-0611.

Personal Organizer

In This Section

- Managing the Scheduler
- Using Your Phone's Scheduler
- Adding a Call Alarm to the Scheduler
- Adding To Do List Items
- Purging All Events, Call Alarms, or To Do List Items
- Personal Information Management
- Using Your Phone's Tools
- Downloading Files

Your Sanyo SCP-4920 Phone is equipped with several personal information management features that help you manage your busy lifestyle. This section shows you how to use these features to turn your phone into a time management planner that helps you keep up with your contacts, schedules, and commitments. It takes productivity to a whole new level.

Managing the Scheduler

Use the Calendar to remind you of events or important calls you need to make. You can schedule up to 100 events, 15 Call Alarms, and 20 To-Do List items.

Displaying Your Calendar

To display your calendar:

1. Press Menu OK to access the main menu.
2. Select **Tools/Extras** and press Menu OK.
3. Select **Calendar** and press Menu OK.

Note: In a no-service area or an analog service area, it's necessary to set the actual time and date to use the Calendar function. Set the current Time/Date by using numeric keys and/or the navigation key (Right or Left: move cursor, Up or Down: change value). You can set any time from 12:00 AM, Jan 1, 2000 to 11:59 PM, Dec 31, 2099.

Setting Holidays

You can set your personal holidays by displaying the date in red on the Calendar display. The default holidays displayed in red are Sundays and national holidays.

Note: You can set holidays from Jan 1, 2000 to Dec 31, 2020.

To set personal holidays:

1. From the Calendar display (see above), highlight the day you want to set to the holiday by using the navigation key (Left: previous day, Right: next day, Up: previous week, Down: next week, ▲/▼: previous/next month).
2. Press **Options** (right softkey), highlight **Holiday**, and press Menu OK.
3. Highlight **Set Date** or **Set Weekly** from the options and press Menu OK.

Options:

- **Set Date** sets the selected date for the holiday.
- **Set Weekly** sets weekly holidays.
- **Reset Date** resets the holiday setting for the selected date.
- **Reset Weekly** resets the weekly holiday setting.
- **Reset All** resets all the holiday settings and returns to the default settings.

4. If you selected **Set Weekly**, **Reset Weekly**, or **Reset All**, you'll be prompted to select **Yes** or **No**.

Tip: The current day is framed by a rectangle.

Using Your Phone's Scheduler

Adding an Event to the Scheduler

Your Scheduler helps organize your time and reminds you of important events (up to 100 events).

To add an event:

1. From the Calendar display (see page 91), select the day you want to add an event and press **Options** (right softkey).
2. Select **Add Event** and press Menu OK.
3. Select **Schedule** and press Menu OK.
4. Enter the description using your keypad, and press Menu OK (or press **Mode** [right softkey] to select a description from "From To Do List").

Note: The "From To Do List" option will not appear if there are no items stored in the To Do List. See "Adding To Do List Items" on page 98 for details.

5. Select the menu under the following options and press Menu OK.
   - **Description** to enter a description of your event (up to 14 characters).
   - **From** to schedule the start time.
   - **To** to schedule the end time.
   - **Location** to edit the location of your event (up to 14 characters).
   - **Alarm** to select your desired ringer.
   - **Alarm Time** to edit the alarm time (number of hours or minutes before the event starts). Default alarm time is 10 minutes before.
   - **Repeat** to set the event's repeating status. Select **None**, **Daily**, **Weekly**, **Monthly**, or **Yearly**.
6. Press **Save** (left softkey) to schedule the event.

Tip: The date you have scheduled events for is indicated by "▶".

Tip: Press the navigation key up or down to scroll by week through the Scheduler calendar and the Side Volume keys to scroll by month.

Event Alerts

There are several ways your phone alerts you of scheduled events:

- By playing the alert tone (depending on the Ringer Type and Ringer Volume setting).
- By blinking the LED.
- By displaying the event's description on the LCD.
- By lighting the LCD backlight (depending on the backlight setting).

Event Alert Menu

When your phone is turned on and you have an event alarm scheduled, your phone alerts you and displays the event summary.

To respond to an event alert:

1. Press Menu OK or **View** (left softkey) to silence the alarm and see the unchecked event list.
2. Highlight the unchecked event and press Menu OK to see the event details. Press **Done** (left softkey) to erase the unchecked event.
   – or –
   Press **Options** (right softkey) for the following options. To select an option, highlight it and press Menu OK.
   - **Snooze** to repeat the alarm in ten minutes.
   - **Exit** to exit the options.

Note: If you press **Exit** (left softkey) during step 2 above, you are prompted to erase the unchecked event. Select **Yes** to erase or **No** to cancel.

Viewing Events

To view your scheduled events:

1. Press Menu OK to access the main menu.
2. Select **Tools/Extras** and press Menu OK.
3. Select **Calendar** and press Menu OK.
4. Select the date for which you set events and press Menu OK. (The selected day's events list will display.)

Erasing a Day's Events or Call Alarms

To erase a scheduled day's events or call alarms:

1. From the Event list display (see above), highlight one of the events or call alarms and press **Options** (right softkey).
2. Highlight **Erase Event** and press Menu OK.
3. Select **Yes** and press Menu OK.

Adding a Call Alarm to the Scheduler

You can set call alarms to notify you when you need to place a call. The call alarm will let you know when and to whom to place a scheduled call. You can set up to 15 call alarms.

To add a call alarm to the Scheduler:

1. Press Menu OK to access the main menu.
2. Select **Tools/Extras** and press Menu OK.
3. Select **Calendar** and press Menu OK.
4. Select the day you want to add a call alarm and press **Options** (right softkey).
5. Select **Add Event** and press Menu OK.
6. Select **Call Alarm** and press Menu OK.
7. Enter the phone number directly or press **Options** (right softkey) for options.
   - **From Phone Book** to select the desired number from your Contacts list.
   - **Voicemail** to select the number for voicemail access.
8. Select the box under the following items and press Menu OK.
   - **Time/Date** to edit the start time/date.
   - **Alarm** to select the ringer alarm.
   - **Repeat** to set the Call Alarm's repeat status. Select **None**, **Daily**, **Weekly**, **Monthly**, or **Yearly**.
9. Press **Save** (left softkey).

Tip: You can also add a call alarm from the Contacts menu (see "Contacts List Entry Options" on page 84).

Call Alarm Alerts

There are several ways your phone alerts you of a scheduled call alarm:

- By playing the alert tone (depending on the Ringer Type and Ringer Volume setting).
- By blinking the LED.
- By displaying the call alarm notification on the LCD.
- By lighting the LCD backlight (depending on the backlight setting).

Call Alarm Menu

When your phone is turned on and you have scheduled a call alarm, your phone alerts you and displays the name or phone number you wish to call.

To respond to a call alarm:

1. Press Menu OK or **View** (left softkey) to silence the alarm and see the unchecked event list.
2. Highlight the unchecked event and press Menu OK to see the call alarm details. Press **Done** (left softkey) to erase the unchecked event.
   – or –
   Press **Options** (right softkey) for the following options (to select an option, highlight it and press Menu OK).
   - **Call** to dial the scheduled phone number.
   - **Call:Speaker On** to dial the scheduled phone number in speakerphone mode.
   - **Snooze** to repeat the alarm in ten minutes.
   - **Save Phone#** to save the scheduled phone number in your Contacts list. **Go to Phone Book** appears when the number is already in your Contacts list. (See "Saving a Phone Number" on page 24.)

Note: If you press **Exit** (left softkey) during step 2 above, you are prompted to erase the unchecked event. Select **Yes** to erase or **No** to cancel.

Editing a Call Alarm

To edit a call alarm:

1. From the Event list display (see page 94), highlight one of the call alarms and press Menu OK. (The call alarm details appear.)
2. Select the box you want to edit and press Menu OK.
3. Enter or select a new setting and press Menu OK.
4. Press **Save** (left softkey).

Viewing a Future/Past Day's Scheduled Events

To view a future/past day's scheduled events:

1. From the Calendar display (see page 91), press **Options** (right softkey), highlight **Go To Date** and press Menu OK.
2. Enter the date by using numeric keys and the navigation key and press Menu OK or **OK** (left softkey).
3. Press Menu OK once again to view the day's Event list.

Adding To Do List Items

Your phone can store and manage up to 20 To Do List items.

To add an item to yourTo Do List:

1. From the Calendar display (see page 91), press **Options** (right softkey).
2. Highlight **To Do List** and press Menu OK.
3. Press **Options** (right softkey).
4. Highlight **Add Item** and press Menu OK.
5. Enter the description (up to 14 characters) and press Menu OK.
6. Select the menu under **Priority** and press Menu OK to edit the To Do's priority. You can select from **Normal**, **!Urgent**, or **-Done**.
7. Press **Save** (left softkey).

Viewing the To Do List

To view yourTo Do List:

1. From the Calendar display (see page 91), press **Options** (right softkey).
2. Highlight **To Do List** and press Menu OK.
   - To see the details of each To Do List item, select an item and press Menu OK.

EditingTo Do List Items

To edit aTo Do List item:

1. From the To Do List display, highlight the item you want to edit and press Menu OK.
2. Highlight the box you want to edit and press Menu OK.
3. Edit the description or change the priority and press Menu OK.
4. Press **Save** (left softkey).

Adding a To Do List Item to the Schedule

To add your To Do List item to the schedule:

1. From the To Do List display (see page 98), highlight the item you want to add to the schedule and press **Options** (right softkey).
2. Highlight **Add To Schedule** and press Menu OK.
   - **Add To Schedule** to extract the item from the To Do List and make it a scheduled event.
3. Enter the description using your keypad and press Menu OK. (See "Adding an Event to the Scheduler" on page 92 for entering.)
4. Press **Save** (left softkey).

Deleting Items From the To Do List

To delete To Do List items:

1. From the To Do List display (see page 98), highlight the item you want to erase and press **Options** (right softkey).
2. Highlight your desired option and press Menu OK.
   - **Erase Item** erases an item from the To Do List.
   - **Erase Selection** erases multiple selected To Do List items at one time. Press Menu OK to check the box(es) next to the To Do List item(s) you want to delete and press **Erase** (left softkey) to erase. To check all boxes, press **Options** (right softkey), highlight **Check All**, and press Menu OK.
   - **Erase All** erases all To Do List items.
3. Select **Yes** and press Menu OK.

Viewing Memory in Your Scheduler

To view available memory space and options:

1. From the Calendar display (see page 91), press **Options** (right softkey).
2. Highlight **View Memory** and press Menu OK.
3. Highlight **Schedule**, **Call Alarm**, or **To Do List** and press Menu OK. (The available memory space and options display.)

For further options:

4. Press **Options** (right softkey).
5. Highlight an option and press Menu OK.
   - **Erase Old** deletes old events or call alarms.
   - **Erase Selection** deletes the To Do List items you selected. (See "Deleting Items From the To Do List " on page 99.)
   - **Erase Done** deletes the To Do List items that have been completed.
   - **Erase All** deletes all events, call alarms, or To Do List items.
6. Select **Yes** or **No** and press Menu OK.

Purging All Events, Call Alarms, or To Do List Items

To delete all scheduled events, call alarms, or To Do List items:

1. From the Calendar display (see page 91), press **Options** (right softkey).
2. Highlight **Erase Memory** and press Menu OK.
3. Highlight one item from the options and press Menu OK.
   - **Erase Old** deletes old events, call alarms, and To Do List items that are done.
   - **Erase All** deletes all events, call alarms, and To Do List items.
4. Select **Yes** and press Menu OK.

Personal Information Management

Displaying Your User Address

To display the phone's current user address:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Phone Info** and press Menu OK.
4. Select **Phone#/User ID** and press Menu OK.

Finding Icon Definitions

To view an explanation of icons that appear on the display:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Phone Info** and press Menu OK.
4. Select **Help** and press Menu OK.
5. Select the item for which you want to see the explanation and press Menu OK. (The icon's explanation appears.)
6. Press **Done** (left softkey) or END to end.

Tip: Press the navigation key up or down to scroll the message manually.

Displaying the Version Information

To display the version number of the software, hardware, PRL (Preferred Roaming List), PRI (Product Release Instructions), etc., installed on your phone:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Phone Info** and press Menu OK.
4. Select **Version** and press Menu OK.

Displaying Advanced Information

To display advanced information such as technology and frequency:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Phone Info** and press Menu OK.
4. Select **Advanced** and press Menu OK.

Using Your Phone's Tools

In addition to helping you be more efficient and organized, your phone offers useful and entertaining tools.

Using the Alarm Clock

Your phone comes with a built-in alarm clock with alarm capabilities.

To use the alarm clock:

1. Press Menu OK to access the main menu.
2. Select **Tools/Extras** and press Menu OK.
3. Select **Alarm Clock** and press Menu OK. (A caution appears on the display.)
4. Press **Continue** (left softkey) to continue.
5. Select the box under the following items and press Menu OK.
   - **Alarm** to set the alarm On/Off. Select **On** and press Menu OK.
   - **Time** to enter the alarm time. Enter the desired alarm time and press Menu OK.
   - **Repeat** to select the alarm frequency. Select **None** to set your alarm once or **Daily** to set your alarm daily.
6. Press **Done** (left softkey) to save the alarm settings.

Note: The alarm will not sound when the phone is powered off.

To stop the alarm:

- Press any key to stop the alarm.
  - Press **Exit** (right softkey) to exit the alarm clock display.

Tip: The alarm stops in 30 seconds automatically.

Note: You can adjust the ringer type and ringer volume in your Settings menu. To change the ringer type, see "Selecting Ringer Types for Calendar" on page 36. To change the ringer volume, see "Adjusting the Phone's Volume Settings" on page 38.

Using the Calculator

Your phone comes with a built-in calculator.

To use the calculator:

1. Press Menu OK to access the main menu.
2. Select **Tools/Extras** and press Menu OK.
3. Select **Calculator** and press Menu OK.
4. Enter numbers using your keypad. (Press the left softkey to insert a decimal point.)
5. Press the appropriate navigation key for an arithmetic option (Up for addition, Down for subtraction, Left for multiplication, Right for division).
6. Enter numbers and press Menu OK for the result.
   - To clear the numbers, press **CLR** (right softkey).

Using the World Clock

This feature is available only in digital service areas.

To set the world clock display:

1. Press Menu OK to access the main menu.
2. Select **Tools/Extras** and press Menu OK.
3. Select **World Clock** and press Menu OK.
4. The world clock display appears.
   - Press the navigation key right or left to change cities or countries.

Press **Summer** (left softkey) or **Standard** (right softkey) to select between daylight savings and standard time (if applicable). "☀" is shown in summer mode.

Downloading Files

Your phone allows you to download images (screen savers), ringers, games, etc., from a Sprint PCS Vision connection. It is also possible to download from certain menus (Contacts list, Ringer Setting, or Display Setting).

To download a file from the Web:

1. Press Menu OK to access the main menu.
2. Select **Downloads** and press Menu OK.
   - Press the navigation key down for the shortcut (step 1 through 2).
3. Select your desired data folder (for example, Games, Ringers, Screen Savers, or Applications) and press Menu OK.
4. Select **Get New** and press Menu OK.
5. Select your desired file and follow the system prompts.

To download a file from a Contacts list entry:

1. Press Menu OK to access the main menu.
2. Select **Contacts** and press Menu OK.
3. Select **Find/Add Entry** and press Menu OK.
4. Select the entry for which you want to set the downloaded ringer or image and press Menu OK.
5. Highlight a phone number and press **Options** (right softkey). Then highlight **Edit** and press Menu OK.
   – or –
   Highlight an email address or Web address, then press **Edit** (right softkey).
6. Scroll to **Ringer** or **Picture ID** and press Menu OK.
7. Highlight **Get New** and press Menu OK. (The browser launches and displays the Download page.)
8. Select your desired image or ringer file and follow the system prompts.

To download a ringer file from the Ringer Setting Menu (RingerType and Start-up/Power-offTone):

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Sounds** and press Menu OK.
4. Select **Ringer Type** and press Menu OK.
5. Select one item from **Voice Calls**, **Voicemail**, **Messaging**, or **Calendar**, and press Menu OK. The following item requires an extra step:
   - For **Voice Calls**, select the menu under **With Caller ID** or **No Caller ID**.
6. Select the menu under each item and press Menu OK.
7. Select **Get New** and press Menu OK. (The browser launches and displays the Download page.)
8. Select your desired ringer file and follow the system prompts.

To download a ringer file from the Start-up/Power-offTone menu:

1. Select **Others** during step 4 above and press Menu OK.
2. Select the menu under **Start-up Tone** or **Power-off Tone** and press Menu OK.
3. Select **Get New** and press Menu OK. (The browser launches and displays the Download page.)
4. Select your desired ringer file and follow the system prompts.

To download an image file from the Display Setting Menu (Animation, Incoming Calls, and Screen Saver):

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Display** and press Menu OK.
4. Select **Animation** or **Incoming Calls** and press Menu OK.
   The following item requires an extra step:
   - For **Animation**, select the menu under **Standby**, **Outgoing Calls**, or **Service Search**.
5. Select the menu under each item and press Menu OK.
6. Select **Get New** and press Menu OK. (The browser launches and displays the Download page.)
7. Select your desired image file and follow the system prompts.

To download an image file from the Screen Saver menu:

1. Select **Standby Display** during step 4 above and press Menu OK.
2. Select **Screen Saver** and press Menu OK.
3. Select the menu under **Screen Saver** and press Menu OK.
4. Select **Get New** and press Menu OK. (The browser launches and displays the Download page.)
5. Select your desired image file and follow the system prompts.

Confirming the Downloaded Data

The downloaded data will be classified as games, ringers, images (screen savers), or applications automatically. However, if any data has a different category, it is classified as dynamic. If data doesn't belong to any of the above, it is classified as others.

To confirm the downloaded games folder:

1. Press Menu OK to access the main menu.
2. Select **Downloads** and press Menu OK.
3. Select **Games** and press Menu OK.
4. Select the downloaded game you want to confirm and press Menu OK.
5. Select **Run** from the options and press Menu OK.

Options:

- **Run** to play the downloaded game.
- **Settings** to set the Network Access availability.
- **Options** to select the options of the downloaded game.
  Properties shows the downloaded game properties.
  Online Info shows the downloaded game online information (if applicable).
  Shop allows you to continue downloading (if applicable).
  Logo/Trademark displays logo and description.
  Erase erases the selected downloaded game.
- **Exit** to return to the downloaded data list display.

To confirm the downloaded ringers folder:

1. Press Menu OK to access the main menu.
2. Select **Downloads** and press Menu OK.
3. Select **Ringers** and press Menu OK.
4. Select the downloaded ringer you want to confirm and press Menu OK.
5. Select **Play** from the options and press Menu OK.

Options:

- **Play** to play the downloaded ringer.
- **Assign** to assign the downloaded ringer to the Voice Calls, Voicemail, Messaging, Calendar, Start-up/Power-off Tone, or Phone Book.
- **Options** to select the options of the downloaded ringer.
  Properties shows the downloaded ringer properties.
  Online Info shows the downloaded ringer online information (if applicable).
  Shop allows you to continue downloading (if applicable).
  Erase erases the selected downloaded ringer.
- **Exit** to return to the downloaded data list display.

To confirm the downloaded images (screen savers) folder:

1. Press Menu OK to access the main menu.
2. Select **Downloads** and press Menu OK.
3. Select **Screen Savers** and press Menu OK.
4. Select the downloaded image you want to confirm and press Menu OK.
5. Select **View** from the options and press Menu OK.

Options:

- **View** to display the downloaded image.
- **Assign** to assign the downloaded image to the Incoming Calls, Screen Saver, or Phone Book.
- **Options** to select the options of the downloaded image.
  Properties shows the downloaded image properties.
  Online Info shows the downloaded image online information (if applicable).
  Shop allows you to continue downloading (if applicable).
  Erase erases the selected downloaded image.
- **Exit** to return to the downloaded data list display.

Note: Depending on the data, you can select where to assign your downloaded files: Image data can be assigned to **Incoming Calls**, **Screen Saver**, or **Phone Book**. Animation data can be assigned to **Standby**, **Outgoing Calls**, or **Service Search**.

To confirm the downloaded applications folder:

1. Press Menu OK to access the main menu.
2. Select **Downloads** and press Menu OK.
3. Select **Applications** and press Menu OK.
4. Select the downloaded application you want to confirm and press Menu OK.
5. Select **Run** from the options and press Menu OK.

Options:

- **Run** to play the downloaded application.
- **Settings** to set the Network Access availability.
- **Options** to select the options of the downloaded application.
  Properties shows the downloaded application properties.
  Online Info shows the downloaded application online information (if applicable).
  Shop allows you to continue downloading (if applicable).
  Logo/Trademark displays logo and description.
  Erase erases the selected downloaded application.
- **Exit** to return to the downloaded data list display.

To confirm the downloaded dynamic folder:

The downloaded data in the dynamic folder are varied (options subject to change).

1. Press Menu OK to access the main menu.
2. Select **Downloads** and press Menu OK.
3. Select a dynamic folder and press Menu OK.
4. Select the downloaded data you want to confirm and press Menu OK.
5. Select **Open** from the options and press Menu OK.

Options:

- **Open** to play the downloaded content.
- **Options** to select the options of the downloaded data.
  Properties shows the downloaded data properties.
  Online Info shows the downloaded data online information (if applicable).
  Shop allows you to continue downloading (if applicable).
  Logo/Trademark displays logo and description (if applicable).
  Erase erases the selected downloaded data.
- **Exit** to return to the downloaded data list display.

To confirm the downloaded Others folder:

The downloaded data in the Others folder are varied (options subject to change).

1. Press Menu OK to access the main menu.
2. Select **Downloads** and press Menu OK.
3. Select **Others** and press Menu OK.
4. Select the downloaded data you want to confirm and press Menu OK.
5. Select **Open** from the options and press Menu OK.

Options:

- **Open** to play the downloaded content.
- **Options** to select the options of the downloaded data.
  Properties shows the downloaded data properties.
  Online Info shows the downloaded data online information (if applicable).
  Shop allows you to continue downloading (if applicable).
  Logo/Trademark displays logo and description (if applicable).
  Erase erases the selected downloaded data.
- **Exit** to return to the downloaded data list display.

Icon Indication

Type	Item	Icon (appears at the left side of the downloaded data)
From Web	Ringers (~128KB)	(New Data) (Assigned Data)
	Voice (~128KB)	(New Data) (Assigned Data)
	Screen Savers/Images (~128KB)	(New Data) (Assigned Data)
	Animation (~128KB)	(New Data) (Assigned Data)
	Animation Ringer (~128KB)	(New Data) (Assigned Data)
	Game (~128KB)	(New Data)
	Application (~128KB)	(New Data)
	Unknown type (~128KB)	(New Data)
		Note: Download icon subject to change

Sorting the Downloaded Data

Files downloaded via the Web are stored in alphabetical order. You may also store the data in memory size order.

To sort downloaded files:

1. Press Menu OK to access the main menu.
2. Select **Downloads** and press Menu OK.
3. Select one of each folder that includes the downloaded data you want to sort and press Menu OK.
4. Press **Options** (right softkey).
5. Highlight **Sorting** from the options and press Menu OK.
   - **Sorting** to sort the downloaded data in alphabetical (**Name**) or memory size (**Size**) order.
   - **Icon/Size** to show the downloaded data list with memory size.
   - **Erase All** to erase all downloaded files you selected during step 3. (Downloaded data that has already been assigned cannot be erased.)
6. Highlight **Name** or **Size** and press Menu OK.

Viewing the Downloaded Data Size

This feature allows you to confirm each downloaded file's size and the remaining download capacity.

To view the data size:

1. Press Menu OK to access the main menu.
2. Select **Downloads** and press Menu OK.
3. Select one of each folder that includes the downloaded data you want to confirm and press Menu OK.
4. Press **Options** (right softkey).
5. Highlight **Icon/Size** and press Menu OK. (Data size is displayed at the left of the downloaded data name.)

Viewing the Memory Space Available for Downloads

This feature allows you to confirm how much memory is left and may be used for downloading files.

To view the available memory space:

1. Press Menu OK to access the main menu.
2. Select **Downloads** and press Menu OK.
3. Press **Options** (right softkey).
4. Highlight **View Memory** and press Menu OK. (Used and Free memory size are displayed.)

Erasing Old Downloaded Data

If you try to download new data when the downloaded data's memory is full, a warning message appears and you will be prompted to erase some old downloaded data.

To erase downloaded data:

1. When the warning message appears, press **Erase** (left softkey) to make a space for new download data. (Press the right softkey to cancel the download.)
2. Select one of each folder that includes the data you want to erase and press Menu OK.
3. Select the data you want to erase and press **Erase** (left softkey).
4. Select **Yes** and press Menu OK. (You can now continue to download the new file.)

Using Your Phone's Voice Services

In This Section

- Using Voice-Activated Dialing
- Using the Voice Recorder
- Managing Call Memos
- Setting Up Screen Call

Your phone's Voice Services let you place calls using your voice, store voice reminders, and record memos right on your phone.

This section includes easy-to-follow instructions on using voice-activated dialing, using the voice recorder, managing call memos, and setting up the screen call function.

Using Voice-Activated Dialing

You can use a voice dial tag to automatically dial a phone number in your Contacts. (A voice dial tag is a command you record and use to place calls without using the keypad.) Your phone can store up to 30 voice dial tags. (To create a voice dial tag, see "Adding a New Contacts Entry" on page 81 or "Editing a Contacts Entry's Phone Number" on page 85.)

Making a Call Using Voice-Activated Dialing

To use a voice dial tag to call a phone number:

1. Press TALK or **Speaker** (left softkey) briefly.
2. Follow the voice prompts and recite the entry's Voice Dial tag into your phone's microphone.

Note: To use the Voice Dial function, you must have a stored entries for Voice Dial (see "Programming Voice Dial Tags" below).

Programming Voice Dial Tags

To program a voice dial tag:

1. Press Menu OK to access the main menu.
2. Select **Voice Services** and press Menu OK.
3. Select **Voice Dial** and press Menu OK.
4. Select **Program** and press Menu OK. (The phone will prompt you to say the name you want to program.)
5. Wait for the beep and then say the name.
6. Respond to the prompt by repeating the name after the beep.
7. Enter or highlight the Voice Dial entry (name) in the Contacts list and press Menu OK.
8. Select the labeled category that includes your desired phone number and press Menu OK. (The display shows "Voice Dial Recorded.")

Note: Record Voice Dial tags in a quiet environment and without the aid of an accessory (for example, a headset or hands-free car kit).

Reviewing Voice Dial Tags

To review voice dial tags:

1. Press Menu OK to access the main menu.
2. Select **Voice Services** and press Menu OK.
3. Select **Voice Dial** and press Menu OK.
4. Select **Review** or **Review:Speaker** and press Menu OK.
5. Select the desired entry and press Menu OK.
   – or –
   Select the desired entry and press **Options** (right softkey).
   (To select an option, highlight it and press Menu OK.)

Options:

- **Play** to play the recorded voice dial tag.
- **Speaker On** to play the recorded voice dial tag in speakerphone mode. (If you are in speakerphone mode, the option will appear as **Speaker Off** to deactivate.)
- **Erase** to erase the voice dial tag. Select **Yes** to erase and **No** to cancel.

Erasing All Voice Dial Tags

To erase all voice dial tags:

1. Press Menu OK to access the main menu.
2. Select **Voice Services** and press Menu OK.
3. Select **Voice Dial** and press Menu OK.
4. Select **Erase All** and press Menu OK.
5. Select **Yes** and press Menu OK.

Using the Voice Recorder

This feature allows you to record voice data in standby mode. Your phone can store up to 20 voice recordings and the total available recording time is 50 minutes.

Tip: If you haven't signed up for the Ready Link service and Ready Link mode is set to "Disable", you can use the Ready Link/Recorder button ( ) as a Voice Recorder button in standby mode.

Displaying the Voice Recorder Menu

To display the voice recorder menu:

1. Press Menu OK to access the main menu.
2. Select **Voice Services** and press Menu OK.
3. Select **Voice Recorder** and press Menu OK.

Recording a Voice Data Entry

To record a voice data entry:

1. From the voice recorder menu, select **Record** and press Menu OK.
2. Start recording after the beep.
   - Press **Pause** (right softkey) to pause the recording. To restart recording, press **Record** (right softkey).

To end the recording of your voice data entry:

- Press Menu OK, BACK, or END.

Reviewing Voice Recordings

To play the recordings you have recorded:

1. From the voice recorder menu, select **Play** or **Play:Speaker**, and press Menu OK.
2. Select **Voice Data** and press Menu OK.
3. Select a recording from the list and press Menu OK.
   – or –
   If you want to play all voice recordings continuously, highlight **All** and press Menu OK.
4. Press Menu OK to stop playing.
   - Press **Speed** (left softkey) to change the playing speed.
   - Press **Pause** (right softkey) to pause. To restart, press **Play** (right softkey).

Tip: Press and hold the navigation key right to fast-forward the recording; press and hold the navigation key left to fast-rewind.

To set the starting point of the recordings:

1. From the voice recorder menu (see page 116), select **Play** or **Play:Speaker** and press Menu OK.
2. Select **Voice Data** and press Menu OK.
3. Select your desired recording and press **Options** (right softkey).
4. Select **Go to Time** and press Menu OK.
5. Enter the time you want to start, and press **OK** (left softkey).

Tip: Go to Time appears when the recording is longer than 30 seconds.

Tip: Set the time by 30 seconds.

Voice Recording Options

To switch speakerphone mode:

1. From the voice recorder menu (see page 116), select **Play** or **Play:Speaker** and press Menu OK.
2. Select **Voice Data** and press Menu OK.
3. Select your desired voice recording and press **Options** (right softkey).
4. Select **Speaker On** or **Speaker Off** and press Menu OK.

Tip: You can also switch the speakerphone mode by pressing On/Off (left softkey) during step 4 above.

To edit the title:

1. From the voice recorder menu (see page 116), select **Play** or **Play:Speaker** and press Menu OK.
2. Select **Voice Data** and press Menu OK.
3. Select your desired voice recording and press **Options** (right softkey).
4. Select **Edit Title** and press Menu OK.
5. Edit the title (up to 16 characters) and press **OK** (left softkey).

To set the audio quality:

1. Display the voice recorder menu (see page 116).
2. Select **Record** and press **Settings** (right softkey).
3. Select **Audio Quality** or **Mic Sensitivity** and press Menu OK.
   - **Audio Quality** to change the recording quality.
   - **Mic Sensitivity** to change the microphone sensitivity.
4. Select **High** or **Low** and press Menu OK.

Note: When Audio Quality setting is High, the total recording time will be reduced.

Setting the Recording Guard

With this feature, you can record voice data without any interruption by setting Airplane mode. (See page 49 for Airplane mode.)

To set the recording guard:

1. From the voice recorder menu, select **Record** and press **Settings** (right softkey).
2. Select **Recording Guard** and press Menu OK. (A message will display.)
3. Press **OK** (left softkey) to continue.
4. Select **On** and press Menu OK.
   - To deactivate this feature, select **Off** during step 4 above.

While Recording Guard is on, your phone's standby screen will display "Phone Off".

Erasing Voice Recordings

To erase all voice recordings:

1. From the voice recorder menu (see page 116), select **Erase All** and press Menu OK.
2. Select **Voice Data** and press Menu OK.
3. Select **Yes** and press Menu OK.

– or –

1. From the voice recorder menu (see page 116), select **Play** or **Play:Speaker**, and press Menu OK.
2. Select **Voice Data** and press Menu OK.
3. Select **All** and press **Options** (right softkey).
4. Select **Erase All** and press Menu OK.
5. Select **Yes** and press Menu OK.

To erase an individual voice recording:

1. From the voice recorder menu (see page 116), select **Play** or **Play:Speaker** and press Menu OK.
2. Select **Voice Data** and press Menu OK.
3. Select your desired voice recording and press **Options** (right softkey).
4. Select **Erase** and press Menu OK.
5. Select **Yes** and press Menu OK.

Managing Call Memos

You can use your phone's Voice Services to record brief memos during a call.

Note: Your phone can store up to 12 memos and the total available recording time is 72 seconds (maximum of 18 seconds per memo).

Recording Call Memos

To record a call memo during a call:

1. Press Menu OK to display the options.
2. Select **Voice Services** and press Menu OK.
3. Select **Call Memo** and press Menu OK.
4. Select **Record** and press Menu OK.
5. Start recording after the beep.

To end the recording of your memo:

- Press Menu OK or BACK while recording.

  – or –

  Press END to stop recording and disconnect the call.

Tip: Recording terminates automatically after 18 seconds.

Recording also stops when the other party hangs up the call.

- Memo recording is disabled while you are roaming in analog service areas.
- When the recording capacity is full, highlight an old memo and press **Erase** (left softkey). (See "Erasing Call Memos" on page 122.)

Tip: Call Memos are stored with the date and time stamp in reverse chronological order.

Reviewing Call Memos

To play the call memos you have recorded:

1. From the voice recorder menu (see page 116), select **Play** or **Play:Speaker** and press Menu OK.
2. Select **Call Memo** and press Menu OK.
3. Select one memo from the list and press Menu OK.
   – or –
   If you want to play all memos continuously, highlight **All** and press Menu OK.
4. Press Menu OK to stop playing.
   - Press **Slow** (left softkey) or **Fast** (right softkey) to change the playing speed.
   - To play the newer/older memo, press the navigation key right or left.

Tip: To set the speakerphone mode on or off, press **Options** (right softkey), highlight **Speaker On/Off**, and press Menu OK during step 3 above.

Erasing Call Memos

To erase all call memos:

1. From the voice recorder menu (see page 116), select **Erase All** and press Menu OK.
2. Select **Call Memo** and press Menu OK.
3. Select **Yes** and press Menu OK.

– or –

1. From the voice recorder menu (see page 116), select **Play** or **Play:Speaker** and press Menu OK.
2. Select **Call Memo** and press Menu OK.
3. Select **All** and press **Options** (right softkey).
4. Select **Erase All** and press . Menu OK
5. Select **Yes** and press Menu OK.

To erase an individual memo:

1. From the voice recorder menu (see page 116), select **Play** or **Play:Speaker** and press Menu OK.
2. Select **Call Memo** and press Menu OK.
3. Display the memo list, highlight the memo you want to erase, and press **Options** (right softkey).
4. Select **Erase** and press Menu OK.
5. Select **Yes** and press Menu OK.

Erasing All Voice Recordings

To erase the all voice recordings and call memos:

1. From the voice recorder menu (see page 116), select **Erase All** and press Menu OK.
2. Select **All** and press Menu OK.
3. Select **Yes** and press Menu OK.

Setting Up Screen Call

This feature enables you to screen incoming calls by using a recorded annoucement, either one that is pre-recorded or one that you record. You can also record the caller's message into the Call Memo list. To listen to the message, see "Reviewing Voice Recordings" on page 117.

Activating Screen Call

To start Screen Call when you have incoming calls:

1. When the phone rings or vibrates, press **Options** (right softkey) to display the options.
2. Highlight **Screen Call** and press Menu OK.

To set Auto Screen Call:

1. Press Menu OK to access the main menu.
2. Select **Voice Services** and press Menu OK.
3. Select **Screen Call** and press Menu OK.
4. Select **Auto** and press Menu OK.
5. Select **On** and press Menu OK.
6. Set the answering time by using numeric keys or by pressing the navigation key up or down.
7. Press Menu OK or **OK** (left softkey). (The icon is displayed on the standby display.)

Tip: If a new caller's message is waiting, appears on the display. The memos recorded while activating "Screen Call" are shown with "-" or "!" icon in the Call Memo list ("-": once played, "!": not played yet).

Tip: While the caller's message is being recorded: Pressing END stops recording and disconnects the call, pressing TALK answers the call.

Selecting an Announcement for Screen Call

To select a Screen Call announcement:

1. Press Menu OK to access the main menu.
2. Select **Voice Services** and press Menu OK.
3. Select **Screen Call** and press Menu OK.
4. Select **Announcement** and press Menu OK.
5. Depending on your preference, highlight **Pre-Recorded** or **Custom** and press Menu OK.

Recording Your Name for a Pre-Recorded Announcement

You can use a pre-recorded announcement with or without your name. If you record your name, your phone uses your name to announce that you are not available to answer the call.

To record your name:

1. Press Menu OK to access the main menu.
2. Select **Voice Services** and press Menu OK.
3. Select **Screen Call** and press Menu OK.
4. Select **Announcement** and press Menu OK.
5. Select **Pre-Recorded** and press **Edit** (right softkey).
6. Select **Record Name** and press Menu OK.
   - If your name has already been recorded, select **Yes** or **No** to overwrite the existing recording.
7. Press Menu OK to start the first recording. (Press Menu OK to stop recording.)
8. After the first recording, press Menu OK again to start the second recording.
9. Press Menu OK to stop recording.

Tip: Recording terminates automatically after 12 seconds.

Recording a Customized Announcement

To record an announcement:

1. Follow steps 1-4 on the previous page.
2. Select **Custom** and press **Edit** (right softkey).
3. Highlight **Record** and press Menu OK.
   - When an announcement has already been recorded, select **Yes** or **No** to overwrite the existing recording.
4. Press Menu OK to start the first recording. (Press Menu OK to stop recording.)
5. After the first recording, press Menu OK again to start the second recording.
6. Press Menu OK to stop recording.

Tip: Recording terminates automatically in 12 seconds.

Reviewing an Announcement

To review an announcement:

1. Press Menu OK to access the main menu.
2. Select **Voice Services** and press Menu OK.
3. Select **Screen Call** and press Menu OK.
4. Select **Announcement** and press Menu OK.
5. Select **Pre-Recorded** or **Custom** and press **Edit** (right softkey).
6. Highlight **Play** or **Play:Speaker** and press Menu OK.

Erasing an Announcement

To erase an announcement:

1. Follow steps 1 to 5 above.
2. Select **Erase Name** to erase the name for a Pre-Recorded announcement and press Menu OK.
   – or –
   Select **Erase** to erase the message for a Custom announcement and press Menu OK.
3. Select **Yes** and press Menu OK.

Using Ready Link℠

In This Section

- Getting Started With Ready Link
- Making and Receiving a Ready Link Call
- Adding and Editing Ready Link Contacts
- Erasing Ready Link List Entries
- Updating Your Ready Link Lists
- Managing Ready Link Settings

Your Sanyo SCP-4920 Phone gives you the ability to quickly connect with other Ready Link users for walkie-talkie-style communication from anywhere, to anywhere on the network provided to you. It's ideal for quick two-way conversations with your friends, family, and co-workers.

This section explains the features and options of your Ready Link phone and service.

Getting Started With Ready Link

Ready Link allows you to enjoy quick, two-way, "walkie-talkie-style" communication with your friends, family, and co-workers. You can make 1-to-1 or 1-to-many calls (up to 5 others on the same call) to any other Ready Link user, anywhere on the network provided to you. You can make and receive Ready Link calls when your phone displays .

Setting Ready Link Mode

To enable or disable Ready Link mode:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Ready Link** and press Menu OK.
4. Select **Enable/Disable** and press Menu OK.
5. Select **Enable** and press Menu OK. (The default setting is **Disable**.)
   - **Enable:** Lets you make or receive Ready Link calls any time your phone is not in use.
   - **Disable:** Disables your phone's Ready Link service; you will not be able to make or receive Ready Link calls or access your Ready Link contacts.

Tip: If you haven't signed up for the Ready Link service and Ready Link mode is set to **Disable**, you can use the Ready Link/Recorder Button ( ) as a Voice Recorder button in standby mode.

Preparing Your Phone for Ready Link Service

The first time you use your Ready Link Phone, your phone must identify itself and make itself available to the Ready Link network.

1. When you activate Ready Link for the first time, you will be prompted to activate Ready Link service. Press **OK** (left softkey) to activate. (You will see "**Preparing Ready Link service... Please wait.**")
2. Press **R-Link** (right softkey) or the Ready Link/Recorder button on the side of your phone ( ). (The Ready Link Help message will appear.)
3. Press **Yes** (left softkey) to read a brief introduction to Ready Link, and press **Next** (left softkey) to continue through the tutorial.

Your phone is now ready to make and receive Ready Link calls.

Ready Link Call Alerts

There are several ways your phone alerts you during Ready Link calls.

When you make or receive a Ready Link call:

- The phone sounds (depending on the Ringer Type and Ringer Volume setting).
- The backlight illuminates.
- The screen displays a Ready Link call message.
- The other party's Ready Link number and name (if available) are displayed.
- The screen displays who has the floor.

The status of a Ready Link call:

- The Green LED On indicates you have the floor and may speak.
- The Red LED On indicates another contact has the floor.
- The LED Off indicates the floor is open. (You can take the floor and speak by pressing and holding .)

Making and Receiving a Ready Link Call

Displaying the Ready Link List

- From standby mode, press **R-Link** (right softkey) or the Ready Link/Recorder button on the side of your phone ( ) to access the Ready Link List.

Selecting Contacts List

When your phone displays a Ready Link List, the left softkey is labeled **Go to**. To switch to another contact list, press **Go to** (left softkey), highlight your desired list, and press Menu OK.

- **Personal List/Personal Groups** contain your personal Ready Link contact names and numbers, separately or in groups. You can create and edit your own Personal List. Your phone can store a total of 200 entries (you may include up to five contacts per group).
- **Outgoing** shows the last 10 different Ready Link calls you placed.
- **Incoming** shows the last 10 different Ready Link calls you accepted.
- **Missed** shows the last 10 Ready Link calls you missed.

Note: The icon next to the group name indicates a group.

Making a Ready Link Call (1-to-1 Call)

You can place a 1-to-1 Ready Link call by entering a Ready Link number or by selecting a contact from the Ready Link List.

To place a Ready Link call by selecting a contact:

1. Press **R-Link** (right softkey) or press ⏺ to access the Ready Link List.
2. Press **Go to** (left softkey), highlight the list from which you want to place a call (**Personal List**, **Outgoing**, **Incoming**, or **Missed**), and press Menu OK.

Tip: You can also select **Enter R-Link#** from the **Go to** option to enter a Ready Link number directly. (See page 132 for details.)

3. Highlight the contact you want to call, and press and hold ⏺ to place the call and get the floor. (You will see **R-Link calling...** and **Connecting...** followed by "**You have floor.**" You can now begin speaking.)
   – or –
   Highlight the contact you want to call, and press and release ⏺ to place the call. (The call will connect as described above, but "**Floor is open.**" will appear on the screen and either you or your contact may press and hold ⏺ to take the floor and speak.)
   - To see an entry's information, press Menu OK during step 3 above.

Note: During a Ready Link call, the "**floor**" is the right to speak. When you see "**Floor is open.**," the first person to press the Ready Link/Recorder button (⏺) can speak (while holding the button). Only the person who has the floor can speak. The phone beeps if you press the Ready Link/Recorder button when another contact has the floor.

4. Continue holding ⏺ as you speak. When you are finished speaking, release the Ready Link/Recorder button to allow other contacts to speak. (When the other party takes the floor, you will see the speaker's name and phone number and the text "**has floor.**")
5. When you are finished, press END.

Note: When neither party has the floor during a Ready Link call, "**Floor is open.**" appears on the display. If no one takes the floor for 20 seconds, the Ready Link call ends automatically.

Tip: If you press TALK during step 3 above, you can make a standard voice call.

Making a Ready Link Call (Group Call)

You can make a Ready Link call to all members in a Group entry, which you have in your Ready Link List. You can communicate with up to five members at a time.

To place a Ready Link Group call:

1. Press **R-Link** (right softkey) or press to access the Ready Link List.
2. Press **Go to** (left softkey), highlight **Personal Groups**, and press .
3. Highlight the group you want to call, and press and hold to place the call and take the floor. (You will see **R-Link calling...** and **Connecting...** followed by "**You have floor.**" Continue with the Ready Link call as described above.)
   - To display a group member's details, press , highlight your desired group member, then press **View** (left softkey) during step 3 above. Press to make a Ready Link call to the member.
   - If one of the group members takes the floor, you will see the member's name and Ready Link number on the display. The phone beeps if you press the Ready Link/Recorder button when another contact has the floor.
4. When the call is finished, press .

Tip: You can also make a Group Call after checking the group member. Press to display group members, highlight **<Call Group>** and press and hold during step 3 above.

Tip: Press the navigation key right or left to move your cursor to **Redial** in the Ready Link list.

Making a Ready Link Call by Entering a Number

To place a Ready Link call by entering a number:

1. From standby mode, enter the Ready Link number you want to dial.
2. Press PTT to place the Ready Link call. Continue holding PTT to take the floor and speak.
   - The contact's name appears on the display if there is a matched number in your Ready Link List.
3. Continue with the Ready Link call, pressing and holding PTT to speak and releasing it to allow others to reply.
4. When the call is finished, press END.

– or –

1. Press **R-Link** (right softkey) or press PTT to access the Ready Link List.
2. Press **Go to** (left softkey), highlight **Enter R-Link#** and press Menu OK.
3. Enter the Ready Link number you want to dial.
4. Follow steps 2-4 above.

Note: Ready Link numbers must contain ten digits (area code + phone number). Your Ready Link number is the same as your wireless phone number.

Missed Call Notification for Ready Link Calls

When an incoming Ready Link call is not answered, the Missed Call Notification is displayed on your screen.

To call the last Missed Ready Link call:

- Simply press and hold PTT while the Missed Call Notification is displayed. (Continue with the Ready Link call as described previously.)

To display the Missed Ready Link Call Log:

- Press **View** (right softkey). To call the entry, highlight the entry you want to call, and press and hold PTT. (Continue with the Ready Link call as described previously.)

Note: When you display Missed Calls entries, you will see the icon next to the name. The icon will remain until you make or receive a Ready Link call to or from the entry. The icon appears next to the new missed call entry.

Receiving a Ready Link Call (1-to-1 Call)

1. Make sure your phone's Ready Link mode is enabled (see "Setting Ready Link Mode" on page 127).
2. When you receive a Ready Link call from a contact, "R-Link Call," the contact's name, and the Ready Link number appear on the display. (You do not need to take any action to answer the call.)
3. If the person placing the call has kept the floor (held the Ready Link/Recorder button), you will see the contact name and Ready Link number along with "**has floor.**", and you will hear the caller speaking.
4. When the caller finishes speaking and releases the Ready Link/Recorder button, you will see "**Floor is open.**" on the display screen. Press and hold to take the floor and reply to the caller. (You will see "**You have floor.**" and hear a tone confirming that you may speak.)
5. When the conversation is finished, press END.

Receiving a Ready Link Call (Group Call)

1. When you receive a Ready Link call from one of the group members, "Group Call," the group member's name, and the Ready Link number appear on the display.
2. Continue with the Ready Link call as described previously.
3. When the conversation is finished, press END.

Redialing a Ready Link Call

You can redial to the last Ready Link call that you dialed or received (whichever was more recent).

To redial a Ready Link call:

1. From the Ready Link List, highlight **Redial**, and press and hold .
   - You will see **R-Link redialing...** and **Connecting...** followed by the text "**You have floor.**"
2. Speak after the beep (keep pressing down while you are speaking). After speaking, release the button to allow others to reply.
3. When you are finished, press .

Note: You can change the volume and the speaker setting while a Ready Link call is activated. **Volume:** Adjust the voice volume by using the Side Volume keys or by pressing the navigation key up or down except when you are pressing and holding .

Ready Link Options

When you use Ready Link, several user options are available by pressing **Options** (right softkey). To select an option, highlight it and press .

- **Copy** to copy a contact to the Personal List. **Copy Group** appears when you highlight a group. (This option doesn't appear if the entry is already in the Personal List or when you select Personal List/Personal Groups.)
- **Edit** to edit a Ready Link number and/or name. See page 139.
- **Erase** to erase a contact. **Erase Group** appears when you highlight a group.
- **Add Contact** to add a new contact. **Add Group** appears when you highlight a group list. See page 137 for details.
- **Erase R-Link List** to erase entries saved in the Ready Link List .
- **Help** to see the Ready Link instruction page.

Note: When you use additional accessories, the Ready Link tone volume is fixed as follows: **Speaker/Car Kit** - Level 3; **Earpiece/Headset** - Level 2.

Adding and Editing Ready Link Contacts

Copying an Entry to Personal List or Personal Group List

You can copy an entry to your Personal Lists from several different sources. If the selected entry is already stored in the Personal Lists, the "copy" option does not appear.

To copy an entry from the last Ready Link call:

1. From the Ready Link List, highlight **Redial** and press Menu OK.
2. Press **Copy** (right softkey), enter a name, and press **OK** (left softkey).
3. Press **Save** (left softkey).
4. Press **Yes** (left softkey) to complete copying.

To copy an entry from the Ready Link List:

1. Press **R-Link** (right softkey) or press ☰ to access the Ready Link List.
2. Press **Go to** (left softkey), highlight the list from which you want to copy a contact (**Outgoing**, **Incoming**, or **Missed**), and press Menu OK.
3. Highlight the entry you want to copy (or press the navigation key right or left to move to **Redial** entry at the top of your screen) and press **Options** (right softkey).
4. Highlight **Copy** and press Menu OK, enter a name, and press **OK** (left softkey).
   - **Copy Group** appears when you highlight a group during step 3 above.
5. Press **Save** (left softkey).
6. Press **Yes** (left softkey) to copy and save the entry to your Personal List or Personal Group List.

Saving a Ready Link Number

When you have finished a Ready Link call, you will see the caller's name, Ready Link number, and the text "R-Link call ended." on the display. You can save a Ready Link number from the ending display to your Personal Lists.

To save the number:

1. From the ending display, press **Save** (right softkey).
2. Press **Yes** (left softkey).
   - If the entry has no name, you are prompted to enter a name.

Note: If the number is already stored in the Personal List or Personal Groups, the "Save" softkey does not appear.

Finding an Entry in the Ready Link List

You can find your desired entry by entering a few letters.

To find a Ready Link entry:

1. Press **R-Link** (right softkey) or press to access the Ready Link List.
2. Press **Go to** (left softkey), highlight your desired list (**Personal List** or **Personal Groups**), and press .
3. Enter the first letter or the first few letters of the name.
   - The display shows the list beginning with the letter(s) you entered.
4. Scroll through the list and press to select your desired entry.

Adding a New Contact to Your Personal List

You can store a total of 200 entries in the Personal Lists.

To add a new Ready Link contact:

1. Press **R-Link** (right softkey) or press to access the Ready Link List.
2. Press **Go to** (left softkey), highlight **Personal List**, and press .
3. Highlight **<Add Contact>** and press .
   – or –
   Highlight an entry and press **Options** (right softkey). Then highlight **Add Contact** and press .
   - If the Personal List is full, you will see a warning message on the display. (Your phone can store a total of 200 Ready Link Personal List or Personal Group contacts.)
4. Enter a name for the new contact and press . (This is the name you will see when calling or receiving a call from the contact.)
5. Highlight the **R-Link Number** field, enter the contact's 10-digit Ready Link number (their wireless phone number) and press .
6. Press **Save** (left softkey) to save the new contact to your Personal List.

Tip: You are not allowed to use the following symbols during step 4: ":", "@", ";", "/", "*", ")", and "(".

Adding a New Group to Your Personal Group List

You can add new groups to the Personal Group List. Each group can include up to five members. You can enter a group member directly, or select the member from your Personal List.

To add a new Ready Link group entry:

1. Press **R-Link** (right softkey) or press to access the Ready Link List.
2. Press **Go to** (left softkey), highlight **Personal Groups**, and press Menu OK.
3. Highlight **<Add Group>** and press Menu OK.
   – or –
   Highlight an entry and press **Options** (right softkey). Then highlight **Add Group** and press Menu OK.
4. Enter a Group Name, press Menu OK, and press **Next** (left softkey).
5. To add contacts to the group, press **Add** (right softkey).
6. Highlight one item from the following and press Menu OK:
   - **New** to add a new contact. See the previous page for details.
   - **from Personal** to add a contact from your Personal List.
7. Scroll to select the contacts you want to add and press Menu OK or **Pick** (right softkey) to include the entries.
8. Press **Done** (left softkey) when you are finished selecting contacts, then press **Update** (left softkey) to update your Personal Group List with the new group entry.

Tip: You can also add members directly. From step 5 above, highlight **<Add Members>** and press Menu OK. Enter the new member's name and R-Link number and press **Save** (left softkey) to save the entry.

Editing a Contact in Your Personal List

To edit a Personal List contact:

1. Follow steps 1-2 in "Adding a New Contact to Your Personal List" on page 137.
2. Highlight the entry you want to edit and press **Options** (right softkey).
   - **Edit** to edit the selected contact.
   - **Erase** to erase the selected contact.
   - **Add Contact** to add a new contact.
   - **Erase R-Link List** to erase the Ready Link List. See page 142 for details.
   - **Help** to view the Ready Link instruction page.
3. Highlight **Edit** and press Menu OK.
4. Highlight the field you want to edit (**Name** or **R-Link Number**), and press Menu OK.
5. Edit the entry, press **OK** (left softkey), and press **Save** (left softkey) to save your changes.

Editing a Group in Your Personal Group List

To edit a group name:

1. Follow steps 1-2 in "Adding a New Group to Your Personal Group List" on page 138.
2. Highlight the group entry you want to edit and press **Options** (right softkey).
   - **Edit** to edit the selected group.
   - **Erase Group** to erase the selected group.
   - **Add Group** to add a new group.
   - **Erase R-Link List** to erase the Ready Link List. See page 142 for details.
   - **Help** to view the Ready Link instruction page.

3. Highlight **Edit** and press Menu OK.
4. Edit the group name and press Menu OK or **OK** (left softkey).
   - If you don't need to edit the group name, press **Next** (left softkey) during step 4 above and skip step 5.
5. Press **Save** (left softkey) to save your changes.
6. To edit a group member, highlight the contact you want to edit and press **Options** (right softkey).
   - **Edit** to edit a group member's name and phone number.
   - **Erase** to erase the group member.
   - **Add New** to add a new group member in the Personal Group List.
   - **Add (Personal)** to add a new group member from the Personal List.
   - **Details** to display a group member's information.
7. Highlight **Edit** and press Menu OK.
8. Highlight the field you want to edit (**Name** or **R-Link Number**) and press Menu OK.
9. Edit the entry, press **OK** (left softkey), and press **Save** (left softkey) to save your changes.
10. Press **Update** (left softkey) to update your Personal Group List.

Erasing Ready Link List Entries

Erasing an Entry in Your Personal List or Personal Group List

To erase a contact or a group:

1. From the Ready Link List, press **Go to** (left softkey), highlight **Personal List** or **Personal Groups**, and press Menu OK.
2. Highlight the entry you want to erase and press **Options** (right softkey).
3. Highlight **Erase** and press Menu OK.
   - **Erase Group** appears when you select Personal Groups.
4. Select **Yes** and press Menu OK.

To erase a group member:

1. From the Ready Link List, press **Go to** (left softkey), highlight **Personal Groups**, and press Menu OK.
2. Highlight your desired group and press Menu OK to display the group members.
3. Highlight the member you want to erase and press **Options** (right softkey).
4. Highlight **Erase** and press Menu OK.
5. Select **Yes** and press Menu OK.
6. Press **Update** (left softkey) to update your Personal Group List.

Erasing a Ready Link List

You can erase all entries saved in the Ready Link List.

To erase a Ready Link List:

1. From the Ready Link List, press **Options** (right softkey).
2. Highlight **Erase R-Link List** and press Menu OK.
3. Highlight your desired option and press Menu OK.
   - **Outgoing** to erase all outgoing Ready Link calls.
   - **Incoming** to erase all incoming Ready Link calls.
   - **Missed** to erase all missed Ready Link calls.
   - **All** to erase all Ready Link call history.
   - **All Personal Ent.** to erase all entries in Personal List and Personal Groups. You are prompted to enter your 4-digit lock code.
4. Select **Yes** and press Menu OK.

Tip: The Redial number will not be erased.

Updating Your Ready Link Lists

Updating the Personal List

To update your Personal List manually through the Ready Link server:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Ready Link** and press Menu OK.
4. Select **List Update** and press Menu OK.

Managing Ready Link Settings

Setting Speed Dialing for Ready Link Entries

To set Speed Dialing for Ready Link entries:

1. Press Menu OK to access the main menu.
2. Select **Contacts** and press Menu OK.
3. Select **Speed Dial #s** and press Menu OK.
4. Highlight an unassigned number and press Menu OK.
   - When you highlight an assigned number and press Menu OK, you'll be asked whether you want to overwrite the assigned number. Select **Yes** or **No**, or you can also select **Unassign** to cancel the stored speed dial.
5. Press **Go to** (left softkey), highlight the list from which you want to set a speed dial (**Personal List** or **Personal Groups**) and press Menu OK.
6. Select the contact and press Menu OK.
   – or –
   Select the group and press Menu OK, select an option, and press Menu OK.
   - **Assign** to assign the selected group as a speed dial.
   - **Details** to display the group details. You can select the entry from the group list.

To use Speed Dial for a Ready Link entry:

- From standby mode, press the appropriate key and press and hold 1.

Restarting the Ready Link Service

To restart the Ready Link service:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Ready Link** and press Menu OK.
4. Select **Restart R-Link** and press Menu OK.

Setting Ready Link Guard

This feature enables you to display the warning message when you cannot receive Ready Link calls. The warning message will appear when you are launching a Web or Java application.

To set the Ready Link Guard:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Ready Link** and press Menu OK.
4. Select **R-Link Guard** and press Menu OK. (A message will appear.)
5. Press **OK** (left softkey) to continue.
6. Select **On** and press Menu OK.
   - To deactivate this feature, select **Off** during step 6 above.

Setting Ringer Types for Ready Link Calls

Your phone provides a variety of ringer types that allow you to customize your ringer and volume settings.

To select a ringer type for Ready Link calls:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Ready Link** and press Menu OK.
4. Select **Ringer Type** and press Menu OK.
5. Select the menu under **Ready Link Calls** and press Menu OK.
6. Select your desired ringer type and press Menu OK.
   - To confirm the ringer, press **Play** (right softkey).

Note: You can also change the ringer type from the Settings menu (see "Selecting Ringer Types for Ready Link Calls" on page 34).

Setting an Alert Notification for Ready Link Calls

Your phone can alert you with an audible tone when you receive a Ready Link call.

To set an alert for Ready Link calls:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Ready Link** and press Menu OK.
4. Select **Alerts** and press Menu OK.
5. Select **Once** or **Repeat Alert** and press Menu OK.

Tip: You can also set alerts from the Settings menu (see "Alert Notification" on page 39).

Setting the Speakerphone for Ready Link Calls

You can set the speakerphone on or off when Ready Link call is activated. By default, the speakerphone is set to on.

To set the speakerphone on or off:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Ready Link** and press Menu OK.
4. Select **Speakerphone** and press Menu OK.
5. Select **On** or **Off** and press Menu OK.

Note: If the phone's ringer volume is set to Vibrate, Ringer off, or Silence All, the speakerphone turns off.

Setting the Default View of the Ready Link List

You can select the default Ready Link List when Ready Link is launched.

To select the default view of the Ready Link List:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **Ready Link** and press Menu OK.
4. Select **Default View** and press Menu OK. (The default setting is **Personal List**.)
5. Select your desired list and press Menu OK.

Qwest® Service Features

Qwest

Qwest® Service Features: The Basics

In This Section

- Using Voicemail
- Using Caller ID
- Responding to Call Waiting
- Making a Three-Way Call
- Using Call Forwarding

Now that you've mastered your phone's fundamentals, it's time to explore the calling features that enhance your wireless service. This section outlines your basic Qwest Service features.

Using Voicemail

Setting Up Your Voicemail

All unanswered calls to your wireless phone are automatically transferred to your voicemail, even if your phone is in use or turned off. Therefore, you will want to set up your voicemail and personal greeting as soon as your phone is activated.

To set up your voicemail:

1. Press and hold 1.
2. Follow the system prompts to:
   - Create your passcode
   - Record your greeting
   - Record your name announcement
   - Choose whether or not to activate One-Touch Message Access (a feature that lets you access messages and bypassing the need for you to enter your passcode)

Note: The voicemail setup process may vary in certain Affiliate areas.

Voicemail Notification

There are several ways your phone alerts you of a new message:

- By displaying a message on the screen.
- By sounding the assigned ringer type.
- By the LED blinking red.
- By displaying ✉ at the top of your screen.

New Voicemail Message Alerts

When you receive a new voice message, your phone alerts you and prompts you to call your voicemail.

To call your voicemail:

- Press TALK.

To display your Missed Log:

- Press Menu OK or **OK** (left softkey).

Important: When you are roaming off the network provided to you, you may not receive notification of new voicemail messages. It is recommended that you periodically check your voicemail by dialing 1 + area code + your wireless phone number. When your voicemail answers, enter your passcode. You will be charged roaming rates when accessing voicemail while roaming off the network provided to you.

Note: Your phone accepts messages even when it is turned off. However, you are only notified of new messages when your phone is turned on. You may not be notified when you are out of a network service area.

Retrieving Your Voicemail Messages

You can review your messages directly from your wireless phone or from any other touch-tone phone. To dial from your Sanyo SCP-4920, you can either speed dial your voicemail or use the menu keys.

Using One-Touch Message Access

- Press and hold 1. (Your phone will dial your voicemail box.)

Using the Menu Keys on Your Phone to Access Your Messages

1. Press Menu OK to access the main menu.
2. Select **Messaging** and press Menu OK.
3. Select **Voicemail** and press Menu OK.
4. Select **Call Voicemail** and press Menu OK.

Note: You are charged for airtime minutes when you are accessing your voicemail from your wireless phone.

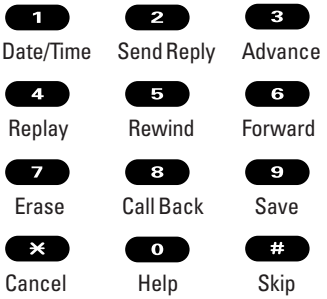
Using a Phone Other Than Your Wireless Phone to Access Messages

1. Dial your wireless phone number.
2. When your voicemail answers, press * .
3. Enter your passcode.

Tip: When you call into voicemail you first hear the header information (date, time, and sender information) for the message. To skip directly to the message, press 4 during the header.

Voicemail Button Guide

Here's a quick guide to your keypad functions while listening to voicemail messages. For further details and menu options, see "Voicemail Menu Key" on page 155.



Voicemail Options

Your phone offers several options for organizing and accessing your voicemail.

Using Expert Mode

Using the Expert Mode setting for your personal voicemail box helps you navigate through the voicemail system more quickly by shortening the voice prompts you hear at each level.

To turn Expert Mode on or off:

1. Press and hold 1 to access your voicemail. (If your voicemail box contains any new or saved messages, press * to access the main voicemail menu.)
2. Press 3 to change your Personal Options, following the system prompts.
3. Press 4 for Expert Mode.
4. Press 1 to turn Expert Mode on or off.

Setting Up Group Distribution Lists

Create up to 20 separate group lists, each with up to 20 customers.

1. Press and hold 1 to access your voicemail. (If your voicemail box contains any new or saved messages, press * to access the main voicemail menu.)
2. Press 3 to change your Personal Options, following the system prompts.
3. Press 2 for Administrative Options.
4. Press 5 for Group Distribution Lists.
5. Follow the voice prompts to create, edit, rename, or delete group lists.

Callback

Return a call after listening to a message without disconnecting from voicemail.

- Press 8 after listening to a message. (Once the call is complete, you're returned to the voicemail main menu.)

Voicemail-to-Voicemail Message

Record and send a voice message to other voicemail users.

1. From the main voicemail menu, press 2 to send a message.
2. Follow the voice prompts to enter the phone number.
3. Follow the voice prompts to record and send your voice message.

Voicemail-to-Voicemail Message Reply

Reply to a voice message received from any other voicemail user.

1. After listening to a voice message, press 2.
2. Follow the voice prompts to record and send your reply.

Voicemail-to-Voicemail Message Forwarding

Forward a voice message, except those marked "Private," to other voicemail users.

1. After listening to a message, press 6.
2. Follow the voice prompts to enter the phone number.
3. Follow the voice prompts to record your introduction and forward the voice message.

Voicemail-to-Voicemail Receipt Request

Receive confirmation that your voice message has been listened to when you send, forward, or reply to other voicemail users.

1. After you have recorded a message, press 1 to indicate you are satisfied with the message you recorded.
2. Press 4 to mark receipt requested.
3. Press 1 to send your voicemail message.

Continue Recording

When leaving a voice message, you can choose to continue recording even after you've stopped.

- Before pressing 1 to indicate that you are satisfied with the message you recorded, press 4 to continue recording.

Extended Absence Greeting

When your phone is turned off or you are off the network provided to you for an extended period, this greeting can be played instead of your normal personal greeting.

1. From the main voicemail menu, press 3 for Personal Options.
2. Press 3 for Greetings.
3. Press 3 to record an Extended Absence Greeting.

Clearing the Message Icon

Your phone may temporarily continue to display the message icon after you have checked your voice and text messages.

To clear the icon from the display screen:

1. Press Menu OK to access the main menu.
2. Select **Messaging** and press Menu OK.
3. Select **Voicemail** and press Menu OK.
4. Select **Clear Count** and press Menu OK.
5. Select **Yes** and press Menu OK.

Voicemail Menu Key

Following the prompts on the voicemail system, you can use your keypad to navigate through the voicemail menu. The following list outlines your phone's voicemail menu structure.

- 1 Listen
  - 1 Envelope Information
  - 2 Reply
  - 3 Advance 8 Seconds
  - 4 Replay
  - 5 Rewind
  - 6 Forward Message
  - 7 Erase
  - 8 Callback
  - 9 Save
  - 0 Options
- 2 Send a Message
- 3 Personal Options
  - 1 Notification Options
    - 1 Phone Notification
    - 2 Numeric Paging to a Wireless Phone
    - * Return to Personal Options Menu
  - 2 Administrative Options
    - 1 Skip Pass code
    - 2 Autoplay
    - 3 Message Date & Time On/Off
    - 4 Change Pass code
    - 5 Group Distribution List
    - * Return to Personal Options Menu
  - 3 Greetings
    - 1 Personal Greetings
    - 2 Name Announcement
    - 3 Extended Absence Greeting
    - * Return to Personal Options Menu
  - 4 Expert Mode (On/Off)
- 8 Place a Call
- * Disconnect

Using Caller ID

Caller ID allows people to identify a caller before answering the phone by displaying the number of the incoming call. If you do not want your number displayed when you place a call, just follow these easy steps.

To block your phone number from being displayed for a specific outgoing call:

1. Press * 6 7.
2. Enter the number you want to call.
3. Press TALK.

To permanently block your number, call PCS Customer Solutions.

Responding to Call Waiting

When you're on a call, Call Waiting alerts you of incoming calls by sounding two beeps. Your phone's screen informs you that another call is coming in and displays the caller's phone number (if it is available and you are in digital mode).

To respond to an incoming call while you're on a call:

- Press TALK (or press **Options** [right softkey], highlight **Flash**, and press Menu OK). (This puts the first caller on hold and answers the second call.)

To switch back to the first caller:

- Press TALK again (or press **Options** [right softkey], highlight **Flash**, and press Menu OK).

Tip: For those calls where you don't want to be interrupted, you can temporarily disable Call Waiting by pressing * 7 0 before placing your call. Call Waiting is automatically reactivated once you end the call.

Making a Three-Way Call

With Three-Way Calling, you can talk to two people at the same time. When using this feature, the normal airtime rates will be charged for each of the two calls.

To make a Three-Way Call:

1. Enter a number you wish to call and press TALK or **Speaker** (left softkey).
2. Once you have established the connection, press TALK (or press **Options** [right softkey], highlight **Three-Way Call**, and press Menu OK). (This puts the first caller on hold.)
3. Dial the second number you wish to call and press TALK (or press **Options** [right softkey], highlight **Call** or **Call:Speaker On**, and press Menu OK).
4. When you're connected to the second party, press TALK again (or press **Options** [right softkey], highlight **Flash**, and press Menu OK) to begin your three-way call.

If one of the people you called hangs up during your call, you and the remaining caller stay connected. If you initiated the call and are the first to hang up, all three callers are disconnected.

Tip: You can also begin a Three-Way Call by displaying a phone number stored in your Contacts, Call History, or Messaging. To call the third party, press **Options** (right softkey) during step 3 above.

Note: Call Waiting and Three-Way Calling are not available while roaming off the network provided to you.

Using Call Forwarding

Call Forwarding lets you forward all your incoming calls to another phone number – even when your phone is turned off. You can continue to make calls from your phone when Call Forwarding is activated.

To activate Call Forwarding:

1. Press * 7 2.
2. Enter the area code and phone number to which your future calls should be forwarded.
3. Press TALK. (You will hear a tone to confirm the activation of Call Forwarding.)

To deactivate Call Forwarding:

1. Press * 7 2 0.
2. Press TALK. (You will hear a tone to confirm the deactivation.)

Note: You are charged a higher rate for calls you have forwarded.

Note: Ready Link calls cannot be forwarded. If Call Forwarding is activated, incoming Ready Link calls will not be completed.

Sprint PCS Vision℠

In This Section

- Getting Started With Vision
- Understanding Messaging
- Accessing Email Providers
- Using Instant Messaging
- Experiencing Wireless Online Chat
- Downloading Content
- Accessing Games
- Accessing Ringers
- Accessing Screen Savers
- Exploring the Web
- Sprint PCS Vision FAQs

Sprint PCS Vision℠ brings you clarity you can see and hear with advanced multimedia services. These features, including Messaging, games, downloadable ringers and screen savers, and Web access. The rich, colorful graphic experience is visually comparable to your home or office computer. Clearly, it's a whole new way to look at wireless.

This section introduces these advanced services and walks you through the necessary steps to start taking advantage of Sprint PCS Vision.

Getting Started With Sprint PCS Vision

With your Sanyo SCP-4920 and wireless service from Qwest®, you are ready to start enjoying the advantages of Sprint PCS Vision. This section will help you learn the basics of using your Vision services, including managing your User Name, launching a Vision connection, and navigating the Web with your phone.

Your User Name

When you buy a compatible phone and sign up for a service plan that includes Sprint PCS Vision, you're automatically assigned a User Name. A User Name is typically your 10-digit wireless phone number followed by "@qwest.sprintpcs.com." For example, if your phone number is 555-123-4567, your User Name will be 5551234567@qwest.sprintpcs.com.

When you use Sprint PCS Vision services, your User Name is submitted to identify you to the network. The User Name is also useful as an address for Email, as a way to personalize Web services, and as an online virtual identity.

Your User Name will be automatically programmed into your phone. You don't have to enter it.

Finding Your User Name

If you aren't sure what your Sprint PCS Vision User Name is, you can easily find it on your phone.

To find your User Name:

- From standby mode, access your phone's main menu, then go to **Settings** > **Phone Info** > **Phone#/User ID**.

Launching a Sprint PCS Vision Connection

To launch a Sprint PCS Vision connection:

1. Press Menu OK to access the main menu.
2. Select **Web** and press Menu OK. (Your Sprint PCS Vision connection will launch and the Sprint PCS Vision home page will display.)

The Sprint PCS Vision Home Page

Note: If Net Guard is enabled and displayed (see the next page), press **OK** (left softkey) to continue and launch the Web.

Tip: When Ready Link Guard is set to On, a warning message will appear. Press **Continue** (left softkey) to continue. (See page 144 for Ready Link Guard.)

While connecting, the following will appear on the screen: **Connecting...Please wait.**.

If you had a previous Vision connection, the last page you visited (for example, Email or ESPN Top News) will display when you launch your browser. When this occurs, you may not see the "Connecting..." message when you launch the session. Though the browser is open, you are not currently in an active data session - that is, no data is being sent or received. As soon as you navigate to another page, the active session will launch and you will see the "Connecting..." message.

Net Guard

When you first connect to the Web, the Net Guard will appear to confirm that you want to connect. This feature helps you avoid accidental connections. You can disable the Net Guard in the future by selecting **Always Auto-Connect** when the Net Guard is displayed.

To change your Net Guard settings:

1. Press Menu OK to access the main menu.
2. Select **Settings** and press Menu OK.
3. Select **PCS Vision** and press Menu OK.
4. Select **Net Guard** and press Menu OK.
5. Select **On** or **Off** and press Menu OK.
   - **On** to activate the Net Guard.
   - **Off** to deactivate the Net Guard.

Note: When enabled, the Net Guard appears only once per session. The Net Guard does not appear if the phone is merely re-connecting due to a time-out.

Sprint PCS Vision Connection Status and Indicators

Your phone's display lets you know the current status of your Sprint PCS Vision connection through indicators which appear at the top of the screen. The following symbols are used:

Your Vision connection is active (data is being transferred); the transmit/receive symbol will blink to indicate data transmission. Incoming voice calls go directly to voicemail; outgoing voice calls can be made, but the Vision connection will terminate.

Your Vision connection is dormant (no data is being sent or received). Though not currently active, when dormant the phone can restart an active connection quickly; voice calls can be made and received.

Your phone is not currently able to access Sprint PCS Vision service features.

If no indicator appears, your phone does not have a current Vision connection. To launch a connection, see "Launching a Sprint PCS Vision Connection" on page 161.

Navigating the Web

Navigating through menus and Websites during a Sprint PCS Vision session is easy once you've learned a few basics. Here are some tips for getting around:

Softkeys

During a Vision session, the bottom line of your phone's display contains one or more softkeys. These keys are shortcut controls for navigating around the Web, and they correspond to the softkey buttons directly below the phone's display screen.

Tip: Depending on which Websites you visit, the labels on the softkeys may change to indicate their function.

To use softkeys:

- Press the desired softkey button. (If an additional pop-up menu appears when you press the softkey button, select the menu items using your keypad [if they're numbered] or by highlighting the option and pressing MENU OK.)

Scrolling

As with other parts of your phone's menu, you'll have to scroll up and down to see everything on some Websites.

To scroll line by line through Websites:

- Press the navigation key up or down.

To scroll page by page through Websites:

- Press the volume buttons on the side of the phone.

Selecting

Once you've learned how to use softkeys and scroll, you can start navigating the Web.

To select on-screen items:

- Use the navigation key to highlight the desired item, then press the desired softkey button (or press Menu OK).

Tip: You'll find that the left softkey is used primarily for selecting items. This softkey is often labeled "Go."

Tip: If the items on a page are numbered, you can use your keypad (number keys) to select an item. (The tenth item in a numbered list may be selected by pressing the 0 key on your phone's keypad, even though the number 0 doesn't appear on the screen.)

Links allow you to jump to different Web pages, select special functions, or even place phone calls.

To select links:

- Highlight the link and select the appropriate softkey.

Going Back

To go back one page:

- Press the BACK key on your phone.

Note: The BACK key is also used for deleting text (like a BACKSPACE key) when you are entering text.

Going Home

To return to the Sprint PCS Vision home page from any other Web page:

- Press the right softkey, then highlight **Home** and press **OK** (left softkey).

Tip: You can also return to the Sprint PCS Vision home page by pressing and holding the BACK key.

Messaging

Understanding Messaging

Now you can send and receive emails and text messages and participate in Web-based chatrooms right from your phone. Messaging allows you to stay connected to friends, family, and co-workers 24 hours a day anywhere on the network provided to you.

Note: In some cases, when you receive incoming messages, accented characters will display as question marks (?).

Message Types

There are many types of text messaging available on your phone. These appear on your screen as **Notifications** and include numeric messages (pages), Messages, Updates, and Mail.

(Voicemail provides voicemail-to-mailbox messaging. For information on using your phone's voicemail feature, see "Using Voicemail" on page 149.)

New Messages

When you receive a new Message, your phone will alert you. Press **View** (left softkey) to display the message details.

- Press **Call** (left softkey) to dial the phone number. (Appears when a phone number is highlighted.)
- Press **Reply** (left softkey) to reply to the message. (Appears when a phone number or email address is highlighted.)
- Press **Go** (left softkey) to go to the Website. (Appears when a URL is highlighted.)
- Press **Forward** (left softkey) to forward the message. (Appears only if there are no phone numbers or URLs in the message.)
- Press **Options** (right softkey) to display options. (See page 169 for details.)

Tip: When you highlight a phone number, the left softkey may display **Call** or **Reply** depending on the circumstance.

Tip: To make a Ready Link call from the message, press and hold (if applicable).

Message Storage

Your phone can store up to 200 received and 180 sent Messages. When the message memory is full, the oldest unlocked message will be deleted automatically. (See page 170 for locking messages.)

Displaying Messages

To display a Message from the message notification alert, see "New Messages" on page 165.

To display a Message from the main menu:

1. Press Menu OK to access the main menu.
2. Select **Messaging** and press Menu OK.
3. Select **Text Msg** and press Menu OK. (The folder list appears.)
4. Select **Inbox**, **Sent**, **Outbox**, **Drafts**, or your defined folder, and press Menu OK. (The message list appears.)
5. Highlight the header of the message you want to see and press Menu OK. (The message detail appears.)

If the sender's or addressee's information has already been stored in the Contacts list, the corresponding name or phone number appears as the header of the message.

To read other messages:

- Press the navigation key left to read the previous message.
- Press the navigation key right to read the next message.

Displaying Sprint PCS Picture Mail℠

When you receive a Sprint PCS Picture Mail, your phone will save it into the Picture Mail Inbox automatically.

To display a picture from the main menu:

1. Press Menu OK to access the main menu.
2. Select **Messaging** and press Menu OK.
3. Select **Picture Mail** and press Menu OK.
4. Select your desired message and press Menu OK.
5. Highlight the URL in the message and press **Go** (left softkey). (The browser will launch and display the picture.)

Sending a Message

With Messaging, you can use a person's wireless phone number to send and receive instant text messages from your wireless phone to their messaging-ready phone – and they can send messages to you. When you receive a new message, you'll automatically be notified with a two-way text message.

To send a text message:

1. Press Menu OK to access the main menu.
2. Select **Messaging** and press Menu OK.
3. Select **Send Text** and press Menu OK.
4. Select **From Phone Book**, **Mobile Phone#**, or **Email Address** and press Menu OK to enter recipients.
   - **From Phone Book** to select a recipient from your Contacts list. Highlight an entry and press Menu OK to select. Or select **<Add Entry>** to enter a new entry. Press **Done** (left softkey) when you are finished selecting/entering recipients.
   - **Mobile Phone#** to enter a mobile phone number directly.
   - **Email Address** to enter an email address directly.
5. To add a recipient, press **Options** (right softkey), select **Add Recipient**, and press Menu OK.
   - **Edit** to edit the selected entry.
   - **Erase** to erase the selected entry.
   - **Erase All** to erase all entries you have selected/entered.
   - **Add Recipient** to add recipients.
6. Press **Next** (left softkey) when you are finished selecting/entering recipients (you may include up to 10 recipients).
7. To enter a message, select the box under **Message** and press Menu OK.
8. Use your keypad to enter a text message (or press **Mode** [right softkey] to select from **Preset Messages** or **Recent Messages**), and press **OK** (left softkey).
9. To set the message priority, select the box under **Priority** and press Menu OK.
10. Select **Ordinary** or **Urgent** and press Menu OK.

Tip: If you select **Urgent**, the message will be sent with !.

11. Press **Send** (left softkey) to send the message.

To change the recipients or to save the message as a draft, press **Options** (right softkey) and select an option from the following during steps 7-10 on page 165.

- **Chg Recipients** to change Recipients.
- **Send Callback#** to select from **None**, **My Phone#**, or **Other** to notify your recipients of your callback number. (See "Setting Your Callback Number" on page 55.)
- **Save to Drafts** to save the message to a Drafts folder. (See below to edit and send the draft message.)

Note: If there is a failure when sending a message in no-service area, you are prompted to select to send the message automatically. Press **Yes** (left softkey), and the message goes to the Outbox folder with . If you press **No** (right softkey), the message goes to the folder with . (See page169 to send the message from the Outbox folder.)

Sending a Message in the Drafts Folder

To edit and send a message in the drafts folder:

1. Press Menu OK to access the main menu.
2. Select **Messaging** and press Menu OK.
3. Select **Text Msg** and press Menu OK.
4. Scroll to **Drafts** and press Menu OK.
5. Select the message you wish to edit and press **Edit** (left softkey).
6. After editing the message, press **Send** (left softkey) to send the message.

Tip: The oldest message in the drafts folder will be erased when you save more than 10 messages.

Sending a Message in the Outbox Folder

If a failure occurs when you try to send a message, the message goes to the Outbox folder.

To send a message from the Outbox folder:

1. Press Menu OK to access the main menu.
2. Select **Messaging** and press Menu OK.
3. Select **Text Msg** and press Menu OK.
4. Scroll to **Outbox** and press Menu OK.
5. Select the message you wish to send and press **Send** (left softkey).

Message Options

Several options are available when you display a folder list, message list, or message details.

Folder List Options

Select **Inbox**, **Sent**, **Outbox**, **Drafts**, or your defined folder and press **Options** (right softkey). To select an option, highlight it and press Menu OK.

- **Edit Folder** to edit the folder (user-defined folder only).
- **Erase Folder** to erase the folder (user-defined folder only).
- **Create Folder** to create a new user-defined folder.
- **Compose New** to compose a new message.
- **Erase Messages** to erase messages (if applicable).

Message List Options

To display a message list, select **Inbox** (or defined folder), **Sent**, **Outbox**, or **Drafts** and press Menu OK. To display your Sprint PCS Picture Mail message list, select **Picture Mail** from the Messaging menu, and press Menu OK. (The Picture Mail Inbox appears.) Then highlight a message and press **Options** (right softkey) to display options.

- **Reply** to reply to the message. (See page 167 to send a message.) (Inbox only.)
- **Forward** to forward the message. Select from **From Phone Book**, **Mobile Phone#**, or **Email Address**. (Inbox and Sent only.)
- **Edit** to edit a message. (Outbox and Drafts only.)
- **Send** to send a message. (Outbox and Drafts only.)
- **Move** to move a message to the Inbox or to your defined folder. Select a folder and press Menu OK, or press **<Add Folder>** to create a new folder. (See page 172 to create a folder.) (Inbox only.)

- **Lock** to lock a message. Locked messages will not be erased automatically. To unlock the message, select **Unlock** and press Menu OK. (Picture Mail Inbox, Inbox, and Sent only.)
- **Compose New** to compose a new message. (See page 167 to compose a new message.)
- **Erase** to erase the selected message.
- **Erase Read Msgs** to erase read messages in the folder (except locked messages). (Picture Mail Inbox, Inbox only.)
- **Erase All** to erase all messages in the folder (except locked messages). A warning message appears if there are unread messages.

Tip: Locked messages will be displayed with .

Tip: To make a call from the list, highlight a message and press TALK (if applicable).

Message Details Options

After you display the Message list in the Picture Mail Inbox, Inbox, Sent, or your defined folder, press Menu OK to display the message details. Press **Options** (right softkey) to display message options. To select an option, highlight it and press Menu OK.

- **Call(Go to List)** to call a number in the message. Select a number and press Menu OK or **Call** (left softkey) to place a call. Press and hold to make a Ready Link call.
- **Call:Speaker On** to call in speaker mode. Select a number and Menu OK or **Call** (left softkey) to place a call. Press and hold to make a Ready Link call.
- **Prepend** to add numbers to the beginning of the phone number (if applicable).
- **Go to URL List** to display URLs in the message. Press **Go** (left softkey) or select a URL and press Menu OK to go to the site.
- **Send Text** to display phone numbers and email addresses to send a message. (See page 167.) (Except Sprint PCS Picture Mail)
- **Reply** to reply to the message. (See page 167 to send a message.) (Message in Inbox and defined folder only.)
- **Forward** to forward the message. Select from **From Phone Book**, **Mobile Phone#**, or **Email Address**. (Except Sprint PCS Picture Mail)
- **Move** to move the message to another folder. Select a folder and press Menu OK or press **<Add Folder>** to create a new folder. (See page 172 to create a folder.) (Message in Inbox and defined folder only.)

- **Lock** to lock the message. Locked messages will not be erased automatically. To unlock the message, select **Unlock** and press Menu OK.
- **Font Size** to change the font size from **Small** or **Normal**.
- **Save to Ph. Book** to save the phone number, email address, and URLs. Select a data category and press Menu OK to save.
- **Go to Phone Book** to go to the Contacts list (if applicable).
- **Compose New** to compose a new message. (See page 167 to compose a message.)
- **Erase** to erase the message.

Changing the Display Font Size of a Message

After you display a Message (except in the Outbox and Drafts folder), press **Options** (right softkey) to display message options.

To adjust the display font size:

1. Select **Font Size** and press Menu OK.
2. Select **Small** or **Normal** and press Menu OK.

Prepending a Phone Number From a Message

After you display a Message (except in the Outbox and Drafts folder), press **Options** (right softkey) to display message options.

To add a prefix to a phone number:

1. Select **Prepend** and press Menu OK.
2. Highlight your desired phone number and press Menu OK or **OK** (left softkey).
3. Enter the digits or pauses (see below) you want to add to the number.
4. Press TALK or **Speaker** (left softkey) to make a call.

To select another option, press **Options** (right softkey), highlight it and press Menu OK.

- **Call** to dial the phone number.
- **Call:Speaker On** to dial the phone number in speakerphone mode.
- **Save Phone#** to store the phone number in your Contacts Directory.
- **H Hard Pause** to insert a hard pause. (See "Dialing and Saving Phone Numbers With Pauses" on page 25.)
- **T 2-Sec. Pause** to insert a 2-second pause. (See "Dialing and Saving Phone Numbers With Pauses" on page 25.)

Message Folders

Incoming Updates and numeric pages are stored in folders in your phone's Messaging menu. You may add your own folders or use the phone's default folder.

You can create up to ten folders to store your Messages. When ten user-defined folders exist, the "Create Folder "option will not appear.

To add a new folder:

1. Press Menu OK to access the main menu.
2. Select **Messaging** and press Menu OK.
3. Select **Text Msg** and press Menu OK.
4. Press **Options** (right softkey).
5. Select **Create Folder** and press Menu OK.
6. Enter a folder name and press Menu OK or **OK** (left softkey).
   - Pressing **Save** (left softkey) allows you to save the folder name.
7. If you want messages to be filed into the folder automatically, select the menu under **Auto Filing** and press Menu OK.
8. Select **On** and press Menu OK.
9. Select the box under **Keyword** by scrolling down and press Menu OK.
10. Enter a keyword and press Menu OK or **OK** (left softkey).
11. Press **Save** (left softkey).

To set an optional feature for the added folder:

1. During step 9 above, scroll down to select other menu options. Highlight the menu under each item and press Menu OK.
   - **Notify** to set the display notification to on or off when you have unread messages matching the defined folder.
   - **Envelope Icon** to set the envelope icon display to on or off when you have unread messages matching the defined folder.
2. After selecting each setting, press **Save** (left softkey).

To edit a folder:

1. From the folder list display, highlight a defined folder.
2. Press **Options** (right softkey).
3. Select **Edit Folder** and press Menu OK.
4. Select the box you wish to edit and press Menu OK.
5. Enter or select a new folder name/setting.
6. Press Menu OK or **OK** (left softkey).
7. Press **Save** (left softkey).

Erasing All Messages

To erase all messages within a folder:

1. Press Menu OK to access the main menu.
2. Select **Messaging** and press Menu OK.
3. Select **Text Msg** and press Menu OK.
4. Select **Inbox**, **Sent**, **Outbox**, **Drafts**, or your defined folder and press Menu OK.
5. Press **Options** (right softkey).
6. Select **Erase All** and press Menu OK to erase all messages (except locked messages). (A confirmation will display.)
7. Select **Yes** and press Menu OK.

Moving a Message Into Another Folder

You can move messages from the Inbox to a user-defined folder.

To move a message into another folder:

1. After you display a message in your Inbox, press **Options** (right softkey) to display the message options.
2. Highlight **Move** and press Menu OK.
3. Highlight your desired folder and press Menu OK. (You must have at least one defined folder to move a message.)

Erasing a Folder

To erase a text message folder:

1. From the folder list display, highlight the defined folder you want to erase.
2. Press **Options** (right softkey).
3. Highlight **Erase Folder** and press Menu OK.
4. Select **Yes** and press Menu OK.

Note: When you erase a folder, the messages within the folder are also erased. If the folder contains a new (unread) message or locked message, you are prompted to select **Erase** or **Don't Erase**.

Erasing Selected Messages in All Folders

To erase selected messages:

1. From the folder list display, press **Options** (right softkey).
2. Select **Erase Messages** and press Menu OK.
3. Select **Read**, **Unread**, and/or **Sent** and press Menu OK to check the appropriate box(es).
4. After selecting the boxes, press **Done** (left softkey).
5. Select **Erase** and press Menu OK to erase selected messages (except locked messages).

Note: To erase an individual message, see "Message List Options" on page 169.

Accessing Email Providers

With Sprint PCS Vision, you can use popular email services such as AOL® Mail, Yahoo!® Mail, MSN Hotmail, and EarthLink® to keep in touch even while you're on the go.

Using Email Providers

To access email providers from your wireless phone:

1. From the Sprint PCS Vision home page, select **Messaging**.
2. Select **Email**.
3. Select an email provider, such as **AOL Mail, Yahoo! Mail,** or **EarthLink**.
4. Use your keypad to enter the required sign in information for the selected provider, such as user name, email address, and/or password, and select **Sign In.** (Your mailbox for the selected provider will display.)

Note: The information required for sign in will vary depending on the email provider you are accessing.

5. Follow the onscreen instructions to read, reply to, compose, send, and manage your email account.

Using Instant Messaging

Sprint PCS Vision also provides you with access to popular instant messaging (IM) clients, including Yahoo!® Messenger and AOL® Instant Messenger™.

Accessing Instant Messaging

To access instant messaging clients from your phone:

1. From the Sprint PCS Vision home page, select **Messaging**.
2. Select **Instant Messaging**.
3. Select an email provider, such as **AOL Instant Messenger** or **Yahoo! Messenger**.
4. Use your keypad to enter the required sign in information for the selected provider, such as user name and/or password, and select **Sign In**. (Your IM screen for the selected provider will display.)

Note: The information required for sign in will vary depending on the instant messaging provider you are accessing.

5. Follow the onscreen instructions to read, reply to, compose, send, and manage your IM account.

Experiencing Wireless Online Chat

Sprint PCS Vision gives you the ability to join wireless chatrooms from your phone, to send text messages and icons to chatroom participants, or to launch a one-on-one (private) chatroom.

To access a chatroom from the browser:

1. Press Menu OK to access the main menu.
2. Highlight **Web** and press Menu OK.
3. Select **Messaging**.
4. Select **Chat**.
5. Select **Enter**. (You will see a disclaimer for Wireless Chat.)
6. Select **I Agree** to enter the Chat menu.
7. Select a chatroom from the menu (for example, "Friends" or "Singles").
8. Use your keypad to enter a nickname and select **Enter**. (Once in the chatroom, you may scroll through the postings to read messages from other chatroom participants.)

To post a message:

1. During an active chatroom session, select **Add text**.
2. Enter your message.
3. Select **Send**.

To set up a private chatroom:

1. During an active chatroom session, select **1->1**.
2. Select a chatter with whom you'd like to launch a private chatroom.

To exit a chatroom:

- Select **Leave Room**.

Note: To avoid inadvertent data usage charges, you should sign out of chatrooms when you are ready to exit.

Downloading Premium Services Content

With Sprint PCS Vision and your new wireless phone, you have access to a dynamic variety of Premium Service content such as downloadable Games, Ringers, Screen Savers, and other applications. The basic steps required to access and download Premium Service content are outlined below.

Accessing the Download Menus

To access the Sprint PCS Vision download menus:

1. Press Menu OK to access the main menu.
2. Select **Downloads** and press Menu OK.
3. Select the type of file you wish to download (**Games**, **Ringers**, **Screen Savers**, or **Applications**) and press Menu OK.
4. Select **Get New** and press Menu OK. (The browser will launch and take you to the corresponding download menu.)

To access the Sprint PCS Vision download menus from the Web browser:

- From the Sprint PCS Vision home page, select **Downloads**, then select **Games**, **Ringers**, **Screen Savers** or **Applications** to go to the corresponding download menu. (For more information on navigating the Web, see "Navigating the Web" on page 163.)

Selecting an Item to Download

You can search for available items to download in a number of ways:

- **Featured** displays a rotating selection of featured items.
- **Browse Category** allows you to narrow your search to a general category, such as Movie/TV Themes for Ringers or College Logos for Screen Savers. (There may be several pages of available content in a list. Select **Next 9** to view additional items.)
- **Search** allows you to use your keypad to enter search criteria to locate an item. You may enter an entire word or title or perform a partial-word search (for example, entering "goo" returns "Good Ol' Boy," "The Good, the Bad, and the Ugly," and "Goofy - Club").

Downloading an Item

Once you've selected an item you wish to download, highlight it and press MENU OK or **OK** (left softkey). You will see a summary page for the item including its title, the vendor, the download detail, the file size, and the cost. Links allow you to view the **License Details** page, which outlines the price, license type, and length of license for the download, and the **Terms of Use** page, which details the Premium Services Terms of Use and your responsibility for payment.

To download a selected item:

1. From the summary page, select **Buy**. (The item will download automatically. When the **New Download** screen appears, the item has been successfully downloaded to your phone.) (If you have not previously purchased an item, you will be prompted to create your purchasing profile.)
2. Select an option to continue:
   - Select **Use** (left softkey) to exit the browser and assign the downloaded item (or to launch, in the case of a game or an application).
   - Select **Shop** (right softkey) to browse for other items to download.
   - Press END to quit the browser and return to standby mode.

Games

Accessing Games

You can play a variety of entertaining and graphically-rich games on your Sanyo SCP-4920. New games are easy to download and play.

Tip: For complete instructions on downloading, see "Downloading Premium Services Content" on page 178.

Downloading Games

To download an available game to your phone:

1. Press Menu OK to access the main menu.
2. Select **Downloads** and press Menu OK.
3. Highlight **Games** and press Menu OK.
4. Highlight **Get New** and press Menu OK. (The browser will launch and take you to the Games download menu.)
5. Use your navigation key to highlight and select a game you wish to download. (For more information on navigating the Web, see "Navigating the Web" on page 163.)
6. Select **Buy** from the item information page. (When the **New Download** screen appears, the game has been sucessfully downloaded to your phone.)

Note: If you have not previously purchased an item, you will be prompted to create your purchasing profile.

7. Select an option to continue:
   - Select **Use** to quit your Vision session and play the game.
   - Select **Shop** to browser for other items to purchase.
   - Press END to quit the browser and return standby mode.

Playing Games

To play a downloaded game on your phone:

1. Press Menu OK to access the main menu.
2. Select **Downloads** and press Menu OK.
3. Highlight **Games** and press Menu OK.
4. Select the game you wish to play and press Menu OK.
5. Highlight **Run** and press Menu OK.
6. Press **OK** (left softkey) if a prompt displays the days remaining on the game license.
7. Follow the onscreen instructions to play the game.

To quit a game:

1. When you are finished playing, press END. (A prompt will display: "Resume the Application?")
2. Select **Yes** to continue playing.
   – or –
   Select **No** to exit.

Ringers

Accessing Ringers

You can personalize your wireless phone by downloading and assigning different ringers to numbers in your Contacts list.

Tip: For complete instructions on downloading, see "Downloading Premium Services Content" on page 178.

Downloading Ringers

To download an available ringer to your phone:

1. Press Menu OK to access the main menu.
2. Select **Downloads** and press Menu OK.
3. Highlight **Ringers** and press Menu OK.
4. Highlight **Get New** and press Menu OK. (The browser will launch and take you to the Ringers download menu.)
5. Use your navigation key to highlight and select a ringer you wish to download. (For more information on navigating the Web, see "Navigating the Web" on page 163.)
6. From the item information page, select **Buy**. (The ringer will download automatically. When the **New Download** screen appears, the ringer has been successfully downloaded to your phone.)

Note: If you have not previously purchased an item, you will be prompted to create your purchasing profile.

7. Select an option to continue:
   - Select **Use** (left softkey) to exit the browser and assign the downloaded ringer.
   - Select **Shop** (right softkey) to browse for other items to download.
   - Press END to quit the browser and return standby mode.

Note: You may store total of 1024 KB of downloaded data on your phone.

Assigning Downloaded Ringers

You can assign downloaded ringers directly from the Downloads menu or through your phone's Settings menu.

To assign a downloaded ringer from the Downloads menu:

1. Press Menu OK to access the main menu.
2. Select **Downloads** and press Menu OK.
3. Highlight **Ringers** and press Menu OK.
4. Highlight a downloaded ringer and press Menu OK to play the ringer.
5. Highlight **Play** and press Menu OK to play the ringer.
6. Highlight **Assign** and press Menu OK.
7. Highlight **Voice Calls**, **Voicemail**, **Messaging**, **Calendar**, **Start-up Tone**, **Power-off Tone** or **Phone Book** and press Menu OK.
   The following two items need an extra step:
   - **Voice Calls** requires you to highlight **With Caller ID** or **No caller ID** and press Menu OK.
   - **Phone Book** requires you to highlight the Contacts entry you want to assign and press Menu OK.

   (A message appears confirming that the ringer has been assigned.)

Alternative:

To assign a downloaded ringer from the Settings menu:

- Please see one of the following:
  - "Selecting Ringer Types for Voice Calls" on page 33.
  - "Selecting Ringer Types for Voicemail" on page 35.
  - "Selecting Ringer Types for Messages" on page 36.
  - "Selecting Ringer Types for Calendar" on page 36.
  - "Setting a Start-up/Power-off Tone" on page 37.
  - "Selecting a Ringer/Image Type for an Entry" on page 87.

Note: You may assign a ringer to more than one type of call.

Purchasing Ringers

You can purchase ringers directly from your phone by following the instructions on page 179.

Screen Savers

Accessing Screen Savers

Download unique images to use as screen savers – or make it easy to tell who's calling by assigning specific images to numbers in your Contacts list.

Tip: For complete instructions on downloading, see "Downloading Premium Services Content" on page 178.

Downloading Screen Savers

To download an available Screen Saver to your phone:

1. Press Menu OK to access the main menu.
2. Select **Downloads** and press Menu OK.
3. Highlight **Screen Savers** and press Menu OK.
4. Highlight **Get New** and press Menu OK. (The browser will launch and take you to the Screen Savers download menu.)
5. Use your navigation key to highlight and select a Screen Saver you wish to download. (For more information on navigating the Web, see "Navigating the Web" on page 163.)
6. From the item information page, select **Buy**. (The screen saver will download automatically. When the **New Download** screen appears, the screen saver has been successfully downloaded to your phone.)

Note: If you have not previously purchased an item, you will be prompted to create your purchasing profile.

7. Select an option to continue:
   - Select **Use** (left softkey) to exit the browser and assign the downloaded screen saver.
   - Select **Shop** (right softkey) to browse for other items to download.
   - Press END to quit the browser and return standby mode.

Note: You may store total of 1024 KB of downloaded data on your phone.

Assigning Downloaded Screen Savers

Downloaded Screen Savers may be assigned directly from the Downloads menu or through the Settings menu.

To assign a downloaded Screen Saver from the Downloads menu:

1. Press Menu OK to access the main menu.
2. Select **Downloads** and press Menu OK.
3. Highlight **Screen Savers** and press Menu OK.
4. Highlight a downloaded Screen Saver and press Menu OK.
5. Select **Assign** and press Menu OK.
6. Highlight one of **Incoming Calls**, **Screen Saver**, or **Phone Book** and press Menu OK.
   The following item needs an extra step:
   - **Phone Book** requires you to highlight your desired Contacts entry and press Menu OK.

   (A message appears confirming that the image has been assigned.)

Note: Depending on the data, you can select where to assign downloaded images: Image data can be assigned to Incoming Calls, Screen Saver, or Phone Book. Animation data can be assigned to Standby, Outgoing Calls, or Service Search.

Note: You may assign a Screen Saver to more than one task.

Purchasing Screen Savers

You can purchase Screen Savers directly from your phone by following the instructions on page 179.

Web

Exploring the Web

With Web access on your phone, you can browse full-color graphic versions of your favorite Websites, making it easier than ever to stay informed while on the go. Follow sports scores and breaking news and weather and shop on your phone anywhere on the network provided to you.

In addition to the features already covered in this section, the Sprint PCS Vision home page offers access to these colorful, graphically rich Web categories. Many sites are available under more than one menu – choose the one that's most convenient for you.

- **News.** Get up-to-the-minute news regarding finance, business, sports, and entertainment at sites like CNNtoGo, Bloomberg, USA Today, and Forbes.
- **Weather.** Access The Weather Channel to get current weather conditions and forecasts.
- **Entertainment.** Get the latest buzz on your favorite stars as well as movie and music reviews at Websites like E! Online, Pocket BoxOffice™, and TastNtalk.
- **Sports.** Enjoy current news, statistics, and sports scores, as well as updates of events in progress at ESPN.com and other sports sites.
- **Finance.** Use Websites like Bloomberg, Fidelity, and Forbes to get stock quotes, make trades, and check your bank account online.
- **Travel.** Access flight information and make dining arrangements from travel Websites like Saber and Fodors.com.
- **Shopping.** Browse or purchase from popular shopping Websites like Amazon.com or Edmunds.
- **Tools.** Use tools like Switchboard to access yellow pages, white pages – even reverse phone number look-up or use Google to search for other Websites or images.
- **Business Links.** Access links to many business-related sites.
- **Search.** Use Google to search keywords, articles, and even images.

Using the Browser Menu

Navigating the Web from your phone using the Sprint PCS Vision home page is easy once you get the hang of it. For details on how to navigate the Web, select menu items, and more, see "Navigating the Web" on page 163.

Although the Sprint PCS Vision home page offers a broad and convenient array of sites and services for you to browse, not all sites are represented, and certain functions, such as going directly to specific Websites, are not available. For these and other functions, you will need to use the browser menu. The browser menu offers additional functionality to expand your use of the Web on your phone.

Opening the Browser Menu

The browser menu may be opened anytime you have an active Sprint PCS Vision session, from any page you are viewing.

To open the browser menu:

- Press ☰ (right softkey) from any page during an active Vision session. (The browser menu will display.) (To launch a Vision session, please see "Launching a Sprint PCS Vision Connection" on page 161.)

Options available under the browser menu include:

- **Home**. Returns the browser to the Sprint PCS Vision home page.
- **Forward**. Allows you to go forward to the pages you have visited.
- **Mark this page**. Allows you to create new bookmarks.
- **View Bookmarks**. Allows you to view and access bookmarked sites.
- **Search**. Launches a Google search.
- **Show URL**. Displays the URL (Website address) of the site you're currently viewing.
- **Go to URL...**. Allows you to navigate directly to a Website by entering its URL (Website address).
- **History**. Displays the pages you have visited.
- **Refresh this page**. Reloads the current Web page.
- **More...**. Displays the additional menu options. (Restart Browser, Send Page, and Preferences.)

Creating a Bookmark

Bookmarks allow you to store the address of your favorite Websites for easy access at a later time.

To create a bookmark:

1. Launch the Web page you want to mark.
2. Press (right softkey) to go to the browser menu.
3. Select **Mark this page** and press or **OK** (left softkey).

Note: Bookmarking a page does not store the page contents, just its address. Some pages cannot be bookmarked. Whether a particular Web page may be marked is controlled by its creator.

Accessing a Bookmark

To access a bookmark:

1. Access the browser menu by pressing (right softkey).
2. Select **View Bookmarks** and press **OK** (left softkey).
3. Highlight the bookmark you'd like to access and press or **OK** (left softkey) to go to the Website.

Editing a Bookmark

To edit a bookmark:

1. Launch the Web and press (right softkey) to access the browser menu.
2. Select **View Bookmarks** and press **OK** (left softkey).
3. Select the bookmark you wish to edit and press (right softkey).
4. Select **Edit Address** or **Edit Title** and press **OK** (left softkey).
5. Press **Edit** (right softkey), use your keypad to edit the address or title, and press **OK** (left softkey).
6. To save the bookmark, press **OK** (left softkey).

Deleting a Bookmark

To delete a bookmark:

1. Launch the Web and press (right softkey) to access the browser menu.
2. Select **View Bookmarks** and press **OK** (left softkey).
3. Highlight the bookmark you wish to erase and press (right softkey).
4. Select **Delete** and press **OK** (left softkey).
5. Press **Yes** (right softkey).

Tip: To delete all bookmarks, select **Delete All** during step 3 above.

Moving a Bookmark

To move a bookmark:

1. Access the **View Bookmarks** menu as outlined above in steps 1-2, and press (right softkey).
2. Select **Reorder** and press **OK** (left softkey).
3. Highlight the bookmark you wish to move and press **Move** (left softkey).
4. Move the bookmark to a new location by pressing the navigation key up or down and press **Drop** (left softkey).
5. When you're finished, press **Finish** (right softkey).

Going to a Specific Website

To go to a particular Website by entering a URL (Website address):

1. Launch the Web and press (right softkey) to display the browser menu.
2. Select **Go to URL...** and press **OK** (left softkey).
3. Select **Address** and press **OK** (left softkey).
4. Press **Edit** (right softkey), use your keypad to enter the URL of the Website you wish to go to, and press **OK** (left softkey).
5. Press **OK** (left softkey) to go to the Website.

Note: Not all Websites are viewable on your phone.

Reloading a Web Page

To reload (refresh) a Web page:

1. Launch the Web and press (right softkey) to display the browser menu.
2. Select **Refresh this page** and press **OK** (left softkey).

Restarting the Web Browser

If the Web browser appears to be malfunctioning or stops responding, you can usually fix the problem by simply restarting the browser.

To restart the Web browser:

1. From an active Sprint PCS Vision connection, press (right softkey) to display the browser menu.
2. Select **More...** and press **OK** (left softkey).
3. Select **Restart Browser** and press **OK** (left softkey).

Sending a Web Page

This feature allows you to send a URL (Website address) you're viewing through SMS text messaging.

To send a Web page:

1. From an active Sprint PCS Vision connection, press (right softkey) to display the browser menu.
2. Select **More...** and press **OK** (left softkey).
3. Select **Send Page** and press **OK** (left softkey).
4. To complete and send a Web Page, follow steps 4-11 in "Sending a Message" on page 167.

Adjusting the Browser Sound Volume

To adjust the browser sound volume:

1. From an active Sprint PCS Vision connection, press (right softkey) to display the browser menu.
2. Select **More...** and press **OK** (left softkey).
3. Select **Preferences** and press **OK** (left softkey).
4. Select **Sound Volume** and press **OK** (left softkey).
5. Select your desired volume level by pressing the navigation key up or down and press Menu OK.

Sprint PCS Vision FAQs

How will I know when my phone is ready for Sprint PCS Vision service?

When your phone is ready, your User Address will be displayed in the Phone# UserID menu. Go to **Settings** > **Phone Info** > **Phone#/User ID**.

How do I sign-in for the first time?

You are automatically signed in to access Sprint PCS Vision services when you turn on your phone.

How do I know when my phone is connected to Vision services?

Your phone automatically connects when Sprint PCS Vision service is used or an incoming message arrives. Your phone will also display the 1x icon. (Connecting takes about 10-12 seconds.)

Can I make calls and use Vision services at the same time?

You cannot use voice and Sprint PCS Vision services simultaneously. If you receive a call while Vision service is active, the call will be forwarded to voicemail. You can place an outgoing call anytime, but it will interrupt any in-progress Sprint PCS Vision session.

When is my data connection active?

Your connection is active when data is being transferred. Outgoing calls are allowed; incoming calls go directly to voicemail. When active, the 1x (Sending) or 1x (Receiving) indicator flashes on your phone's display screen.

When is my data connection dormant?

If no data is received for 10 seconds, the connection goes dormant. When the connection is dormant, voice calls are allowed. (The connection may become active again quickly.) If no data is received for an extended period of time, the connection will terminate.

Can I sign out of data services?

You can sign out without turning off your phone; however, you will not be able to browse the Web or use other Vision services. While signed out, you can still place or receive phone calls, check voicemail, and use other voice services. You may sign in again at any time. To sign out, go to **Settings** > **PCS Vision** > **Disable Vision** in your phone's menu.

Safety Guidelines

Qwest

Safety

In This Section

- Getting the Most Out of Your Reception
- Maintaining Safe Use of and Access to Your Phone
- Caring for the Battery
- Acknowledging Special Precautions and the FCC Notice
- Consumer Information on Wireless Phones
- Owner's Record
- User's Guide Proprietary Notice

Part of getting the most out of your Sanyo SCP-4920 wireless phone is learning how the phone works and how to care for it. This section outlines performance and safety guidelines that help you understand the basic features of your phone's operation.

Getting the Most Out of Your Reception

Keeping Tabs on Signal Strength

The quality of each call you make or receive depends on the signal strength in your area. Your phone informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal. If you're inside a building, being near a window may give you better reception.

Understanding the Power Save Feature

If your phone is unable to find a signal after 15 minutes of searching, a Power Save feature is automatically activated. If your phone is active, it periodically rechecks service availability; you can also check it yourself by pressing any key. Anytime the Power Save feature is activated, a message is displayed on the screen. When a signal is found, your phone returns to standby mode.

Understanding How Your Phone Operates

Your phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radiofrequency (RF) signals. When you use your phone, the system handling your call controls the power level. This power can range from 0.01µ watts to 0.2 watts in digital mode.

Knowing Radio Frequency Safety

The design of your phone complies with updated NCRP standards described below.

In 1991-92, the Institute of Electrical and Electronics Engineers (IEEE) and the American National Standards Institute (ANSI) joined in updating ANSI's 1982 standard for safety levels with respect to human exposure to RF signals. More than 120 scientists, engineers and physicians from universities, government health agencies and industries developed this updated standard after reviewing the available body of research. In 1993, the Federal Communications Commission (FCC) adopted this updated standard in a regulation. In August 1996, the FCC adopted hybrid standard consisting of the existing ANSI/IEEE standard and the guidelines published by the National Council of Radiation Protection and Measurements (NCRP).

Maintaining Your Phone's Peak Performance

There are several simple guidelines to operating your phone properly and maintaining safe, satisfactory service.

- Hold the phone with the antenna raised, fully-extended, and over your shoulder.
- Try not to hold, bend, or twist the phone's antenna.
- Don't use the phone if the antenna is damaged.
- Speak directly into the mouthpiece.
- Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, immediately turn the power off and remove the battery.

Note: For the best care of your phone, only Sprint authorized personnel should service your phone and accessories. Faulty service may void the warranty.

Maintaining Safe Use of and Access to Your Phone

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE

Using Your Phone While Driving

Talking on your phone while driving (or operating the phone without a hands-free device) is prohibited in some jurisdictions. Laws vary as to specific restrictions. Remember that safety always comes first.

When using your phone in the car:

- Get to know your phone and its features, such as speed dial and redial.
- When available, use a hands-free device.
- Position your phone within easy reach.
- Let the person you are speaking to know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions.
- Do not take notes or look up phone numbers while driving.
- Dial sensibly and assess the traffic; if possible, place calls when stationary or before pulling into traffic.
- Do not engage in stressful or emotional conversations that may divert your attention from the road.
- Dial 9 1 1 to report serious emergencies. It's free from your wireless phone.
- Use your phone to help others in emergencies.
- Call roadside assistance or a special non-emergency wireless number when necessary.

Tip: To purchase an optional hands-free car kit, call Qwest Wireless™ Repair at 888-879-0611.

Following Safety Guidelines

To operate your phone safely and efficiently, always follow any special regulations in a given area. Turn your phone off in areas where use is forbidden or when it may cause interference or danger.

Using Your Phone Near Other Electronic Devices

Most modern electronic equipment is shielded from radiofrequency (RF) signals. However, RF signals from wireless phones may affect inadequately shielded electronic equipment.

RF signals may affect improperly installed or inadequately shielded electronic operating systems and/or entertainment systems in motor vehicles. Check with the manufacturer or their representative to determine if these systems are adequately shielded from external RF signals. Also check with the manufacturer regarding any equipment that has been added to your vehicle.

Consult the manufacturer of any personal medical devices, such as pacemakers and hearing aids, to determine if they are adequately shielded from external RF signals.

Note: Always turn off the phone in health care facilities and request permission before using the phone near medical equipment.

Turning Off Your Phone Before Flying

Turn off your phone before boarding any aircraft. To prevent possible interference with aircraft systems, the U.S. Federal Aviation Administration (FAA) regulations require you to have permission from a crew member to use your phone while the plane is on the ground. To prevent any risk of interference, FCC regulations prohibit using your phone while the plane is in the air.

Turning Off Your Phone in Dangerous Areas

To avoid interfering with blasting operations, turn your phone off when in a blasting area or in other areas with signs indicating two-way radios should be turned off. Construction crews often use remote-control RF devices to set off explosives.

Turn your phone off when you're in any area that has a potentially explosive atmosphere. Although it's rare, your phone and accessories could generate sparks. Sparks can cause an explosion or fire, resulting in bodily injury or even death. These areas are often, but not always, clearly marked. They include:

- Fueling areas such as gas stations.
- Below deck on boats.
- Fuel or chemical transfer or storage facilities.
- Areas where the air contains chemicals or particles such as grain, dust, or metal powders.
- Any other area where you would normally be advised to turn off your vehicle's engine.

Note: Never transport or store flammable gas, liquid or explosives in the compartment of your vehicle that contains your phone or accessories.

Restricting Children's Access to Your Phone

Your phone is not a toy. Do not allow children to play with it as they could hurt themselves and others, damage the phone or make calls that increase your invoice.

Caring for the Battery

Protecting Your Battery

The guidelines listed below help you get the most out of your battery's performance.

- Use only Sprint-approved batteries and chargers. These chargers are designed to maximize battery life. Using other batteries or chargers voids your warranty and may cause damage.
- In order to avoid damage, charge the battery only in temperatures that range from 32° F to 113° F (0° C to 45° C).
- Don't use the battery charger in direct sunlight or in high humidity areas, such as the bathroom.
- Never dispose of the battery by incineration.
- Keep the metal contacts on top of the battery clean.
- Don't attempt to disassemble or short-circuit the battery.
- The battery may need recharging if it has not been used for a long period of time.
- It's best to replace the battery when it no longer provides acceptable performance. It can be recharged hundreds of times before it needs replacing.
- Don't store the battery in high temperature areas for long periods of time. It's best to follow these storage rules:

  Less than one month:
  4° F to 140° F (-20° C to 60° C)

  More than one month:
  4° F to 113° F (-20° C to 45° C)

Disposal of Lithium Ion (LiIon) Batteries

For safe disposal options of your LiIon batteries, contact your nearest Sprint authorized service center.

Special Note: Be sure to dispose of your battery properly. In some areas, the disposal of batteries in household or business trash may be prohibited.

Note: For safety, do not handle a damaged or leaking LiIon battery.

Acknowledging Special Precautions and the FCC Notice

FCC Notice

This phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the phone if such interference cannot be eliminated.

Vehicles using liquefied petroleum gas (propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protections Association, One Batterymarch Park, Quincy, MA 02269, Attn.: Publication Sales Division.

Cautions

Any changes or modifications to your phone not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas and chargers. The use of any unauthorized accessories may be dangerous and void the phone warranty if said accessories cause damage or a defect to the phone.

Although your phone is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending or sitting on it.

Body-Worn Operation

To maintain compliance with FCC RF exposure guidelines, if you wear a handset on your body, use the Sprint supplied or approved carrying case, holster or other body-worn accessory. If you do not use a body-worn accessory, ensure the antenna is at least 2.2 cm from your body when transmitting. Use of non-Sprint approved accessories may violate FCC RF exposure guidelines.

For more information about RF exposure, visit the FCC Website at www.fcc.gov.

Specific Absorption Rates (SAR) for Wireless Phones

The SAR is a value that corresponds to the relative amount of RF energy absorbed in the head of a user of a wireless handset.

The SAR value of a phone is the result of an extensive testing, measuring and calculation process. It does not represent how much RF the phone emits. All phone models are tested at their highest value in strict laboratory settings. But when in operation, the SAR of a phone can be substantially less than the level reported to the FCC. This is because of a variety of factors including its proximity to a base station antenna, phone design and other factors. What is important to remember is that each phone meets strict federal guidelines. Variations in SARs do not represent a variation in safety.

All phones must meet the federal standard, which incorporates a substantial margin of safety. As stated above, variations in SAR values between different model phones do not mean variations in safety. SAR values at or below the federal standard of 1.6 W/kg are considered safe for use by the public.

The highest reported SAR values of the SCP-4920 are:

AMPS/CDMA modes (Part 22):
Head: 1.130 W/kg; Body-worn: 0.568 W/kg

PCS mode (Part 24):
Head: 1.130 W/kg; Body-worn: 1.080 W/kg

FCC Radiofrequency Emission

This phone meets the FCC Radiofrequency Emission Guidelines.
FCC ID number: AEZSCP-4920. More information on the phone's SAR can be found from the following FCC Website: http://www.fcc.gov/oet/fccid.

Consumer Information on Wireless Phones

(The following information comes from a consumer information Website jointly sponsored by the U.S. Food and Drug Administration (FDA) and the Federal Communications Commission (FCC), entitled "Cell Phone Facts: Consumer Information on Wireless Phones." The information reproduced herein is dated July 29, 2003. For further updates, please visit the Website: http://www.fda.gov/cellphones/qa.html.)

What is radiofrequency energy (RF)?

Radiofrequency (RF) energy is another name for radio waves. It is one form of electromagnetic energy that makes up the electromagnetic spectrum. Some of the other forms of energy in the electromagnetic spectrum are gamma rays, x-rays and light. Electromagnetic energy (or electromagnetic radiation) consists of waves of electric and magnetic energy moving together (radiating) through space. The area where these waves are found is called an electromagnetic field.

Radio waves are created due to the movement of electrical charges in antennas. As they are created, these waves radiate away from the antenna. All electromagnetic waves travel at the speed of light. The major differences between the different types of waves are the distances covered by one cycle of the wave and the number of waves that pass a certain point during a set time period. The wavelength is the distance covered by one cycle of a wave. The frequency is the number of waves passing a given point in one second. For any electromagnetic wave, the wavelength multiplied by the frequency equals the speed of light. The frequency of an RF signal is usually expressed in units called hertz (Hz). One Hz equals one wave per second. One kilohertz (kHz) equals one thousand waves per second, one megahertz (MHz) equals one million waves per second, and one gigahertz (GHz) equals one billion waves per second.

RF energy includes waves with frequencies ranging from about 3000 waves per second (3 kHz) to 300 billion waves per second (300 GHz). Microwaves are a subset of radio waves that have frequencies ranging from around 300 million waves per second (300 MHz) to three billion waves per second (3 GHz).

How is radiofrequency energy used?

Probably the most important use of RF energy is for telecommunications. Radio and TV broadcasting, wireless phones, pagers, cordless phones, police and fire department radios, point-to-point links and satellite communications all rely on RF energy.

Other uses of RF energy include microwave ovens, radar, industrial heaters and sealers, and medical treatments. RF energy, especially at microwave frequencies, can heat water. Since most food has a high water content, microwaves can cook food quickly. Radar relies on RF energy to track cars and airplanes as well as for military applications. Industrial heaters and sealers use RF energy to mold plastic materials, glue wood products, seal leather items such

as shoes and pocketbooks, and process food. Medical uses of RF energy include pacemaker monitoring and programming.

How is radiofrequency radiation measured?

RF waves and RF fields have both electrical and magnetic components. It is often convenient to express the strength of the RF field in terms of each component. For example, the unit "volts per meter" (V/m) is used to measure the electric field strength, and the unit "amperes per meter" (A/m) is used to express the magnetic field strength. Another common way to characterize an RF field is by means of the power density. Power density is defined as power per unit area. For example, power density can be expressed in terms of milliwatts (one thousandth of a watt) per square centimeter (mW/cm2 or microwatts (one millionth of a watt) per square centimeter (μW/cm2).

The quantity used to measure how much RF energy is actually absorbed by the body is called the Specific Absorption Rate or SAR. The SAR is a measure of the rate of absorption of RF energy. It is usually expressed in units of watts per kilogram (W/kg) or milliwatts per gram (mW/g).

What biological effects can be caused by RF energy?

The biological effects of radiofrequency energy should not be confused with the effects from other types of electromagnetic energy.

Very high levels of electromagnetic energy, such as is found in X-rays and gamma rays can ionize biological tissues. Ionization is a process where electrons are stripped away from their normal locations in atoms and molecules. It can permanently damage biological tissues including DNA, the genetic material. Ionization only occurs with very high levels of electromagnetic energy such as X-rays and gamma rays. Often the term radiation is used when discussing ionizing radiation (such as that associated with nuclear power plants).

The energy levels associated with radiofrequency energy, including both radio waves and microwaves, are not great enough to cause the ionization of atoms and molecules. Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat) and other forms of electromagnetic radiation with relatively low frequencies.

Large amounts of RF energy can heat tissue. This can damage tissues and increase body temperatures. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

The amount of RF radiation routinely encountered by the general public is too low to produce significant heating or increased body temperature. Still, some people have questions about the possible health effects of low levels of RF energy. It is generally agreed that further research is needed to determine what effects actually occur and whether they are dangerous to people. In the meantime, standards-setting organizations and government agencies are continuing to monitor the latest scientific findings to determine whether changes in safety limits are needed to protect human health.

FDA, EPA and other US government agencies responsible for public health and safety have worked together and in connection with WHO to monitor developments and identify research needs related to RF biological effects.

What levels of RF energy are considered safe?

Various organizations and countries have developed standards for exposure to radiofrequency energy. These standards recommend safe levels of exposure for both the general public and for workers. In the United States, the FCC has used safety guidelines for RF environmental exposure since 1985.

The FCC guidelines for human exposure to RF electromagnetic fields are derived from the recommendations of two expert organizations, the National Council on Radiation Protection and Measurements (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

Many countries in Europe and elsewhere use exposure guidelines developed by the International Commission on Non-Ionizing Radiation Protection (ICNIRP). The ICNIRP safety limits are generally similar to those of the NCRP and IEEE, with a few exceptions. For example, ICNIRP recommends different exposure levels in the lower and upper frequency ranges and for localized exposure from certain products such as hand-held wireless telephones. Currently, the World Health Organization is working to provide a framework for international harmonization of RF safety standards.

The NCRP, IEEE, and ICNIRP all have identified a whole-body Specific Absorption Rate (SAR) value of 4 watts per kilogram (4 W/kg) as a threshold level of exposure at which harmful biological effects may occur. Exposure guidelines in terms of field strength, power density and localized SAR were then derived from this threshold value. In addition, the NCRP, IEEE, and ICNIRP guidelines vary depending on the frequency of the RF exposure. This is due to the finding that whole-body human absorption of RF energy varies with the frequency of the RF signal. The most restrictive limits on whole-body exposure are in the frequency range of 30-300 MHz where the human body absorbs RF energy most efficiently. For products that only expose part of the body, such as wireless phones, exposure limits in terms of SAR only are specified.

The exposure limits used by the FCC are expressed in terms of SAR, electric and magnetic field strength, and power density for transmitters operating at frequencies from 300 kHz to 100 GHz. The specific values can be found in two FCC bulletins, OET Bulletins 56 and 65:
http://www.fcc.gov/oet/info/documents/bulletins/#56;
http://www.fcc.gov/oet/info/documents/bulletins/#65.

Why has the FCC adopted guidelines for RF exposure?

The FCC authorizes and licenses products, transmitters, and facilities that generate RF and microwave radiation. It has jurisdiction over all transmitting services in the U.S. except those specifically operated by the Federal

Government. While the FCC does not have the expertise to determine radiation exposure guidelines on its own, it does have the expertise and authority to recognize and adopt technically sound standards promulgated by other expert agencies and organizations, and has done so . (Our joint efforts with the FDA in developing this website is illustrative of the kind of inter-agency efforts and consultation we engage in regarding this health and safety issue.)

Under the National Environmental Policy Act of 1969 (NEPA), the FCC has certain responsibilities to consider whether its actions will significantly affect the quality of the human environment. Therefore, FCC approval and licensing of transmitters and facilities must be evaluated for significant impact on the environment. Human exposure to RF radiation emitted by FCC-regulated transmitters is one of several factors that must be considered in such environmental evaluations. In 1996, the FCC revised its guidelines for RF exposure as a result of a multi-year proceeding and as required by the Telecommunications Act of 1996.

Radio and television broadcast stations, satellite-earth stations, experimental radio stations and certain wireless communication facilities are required to undergo routine evaluation for RF compliance when they submit an application to the FCC for construction or modification of a transmitting facility or renewal of a license. Failure to comply with the FCC's RF exposure guidelines could lead to the preparation of a formal Environmental Assessment, possible Environmental Impact Statement and eventual rejection of an application. Technical guidelines for evaluating compliance with the FCC RF safety requirements can be found in the FCC's OET Bulletin 65.
http://www.fcc.gov/oet/info/documents/bulletins/#65

Low-powered, intermittent, or inaccessible RF transmitters and facilities are normally excluded from the requirement for routine evaluation for RF exposure. These exclusions are based on standard calculations and measurement data indicating that a transmitting station or equipment operating under the conditions prescribed is unlikely to cause exposures in excess of the guidelines under normal conditions of use. Such exclusions are not exclusions from compliance, but, rather, exclusions from routine evaluation. The FCC's policies on RF exposure and categorical exclusion can be found in Section 1.1307(b) of the FCC's Rules and Regulations [(47 CFR 1.1307(b)].

How can I obtain the Specific Absorption Rate (SAR) value for my wireless phone?

The FCC requires that wireless phones sold in the United States demonstrate compliance with human exposure limits adopted by the FCC in 1996. The relative amount of RF energy absorbed in the head of a wireless telephone-user is given by the Specific Absorption Rate (SAR), as explained above. The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg) in terms of SAR.

Information on SAR for a specific phone model can be obtained for many recently manufactured phones using the FCC identification (ID) number for that

model. The FCC ID number is usually printed somewhere on the case of the phone. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the ID number, go to the following Web address: www.fcc.gov/oet/fccid. On this page, you will see instructions for entering the FCC ID number. Type the FCC ID number exactly as requested (the Grantee Code is the first three characters, the Equipment Product Code is the rest of the FCC ID number). Then click on "Start Search." The "Grant of Equipment Authorization" for your telephone should appear. Read through the grant for the section on "SAR Compliance," "Certification of Compliance with FCC Rules for RF Exposure" or similar language. This section should contain the value(s) for typical or maximum SAR for your phone.

Phones and other products authorized since June 2, 2000, should have the maximum SAR levels noted directly on the "Grant of Equipment Authorization." For phones and products authorized between about mid-1998 and June 2000, detailed information on SAR levels is typically found in the exhibits associated with the grant. Once a grant is accessed, the exhibits can be viewed by clicking on "View Exhibit." Grants authorized prior to 1998 are not part of the electronic database but, rather, have been documented in the form of paper records.

The FCC database does not list phones by model number. However, consumers may find SAR information from other sources as well. Some wireless phone manufacturers make SAR information available on their own Web sites. In addition, some non-government Web sites provide SARs for specific models of wireless phones. However, the FCC has not reviewed these sites and makes no guarantees of their accuracy. Finally, phones certified by the Cellular Telecommunications and Internet Association (CTIA) are required to provide SAR information to consumers in the instructional materials that come with the phones.

Do hands-free kits for wireless phones reduce risks from exposure to RF emissions?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

Do wireless phone accessories that claim to shield the head from RF radiation work?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the

user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike "hand-free" kits, these so-called "shields" may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption. In February 2002, the Federal trade Commission (FTC) charged two companies that sold devices that claimed to protect wireless phone users from radiation with making false and unsubstantiated claims. According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

What are wireless telephone base stations?

Fixed antennas used for wireless telecommunications are referred to as cellular base stations, cell stations, PCS ("Personal Communications Service") stations or telephone transmission towers. These base stations consist of antennas and electronic equipment. Because the antennas need to be high in the air, they are often located on towers, poles, water tanks, or rooftops. Typical heights for freestanding base station towers are 50-200 feet.

Some base stations use antennas that look like poles, 10 to 15 feet in length, that are referred to as "omni-directional" antennas. These types of antennas are usually found in rural areas. In urban and suburban areas, wireless providers now more commonly use panel or sector antennas for their base stations. These antennas consist of rectangular panels, about 1 by 4 feet in dimension. The antennas are usually arranged in three groups of three antennas each. One antenna in each group is used to transmit signals to wireless phones, and the other two antennas in each group are used to receive signals from wireless phones.

At any base station site, the amount of RF energy produced depends on the number of radio channels (transmitters) per antenna and the power of each transmitter. Typically, 21 channels per antenna sector are available. For a typical cell site using sector antennas, each of the three transmitting antennas could be connected to up to 21 transmitters for a total of 63 transmitters. However, it is unlikely that all of the transmitters would be transmitting at the same time. When omni-directional antennas are used, a cellular base station could theoretically use up to 96 transmitters, but this would be very unusual, and, once again, it is unlikely that all transmitters would be in operation simultaneously. Base stations used for PCS communications generally require fewer transmitters than those used for cellular radio transmissions, since PCS carriers usually have a higher density of base station antenna sites.

Are wireless telephone base stations safe?

The electromagnetic RF signals transmitted from base station antennas stations travel toward the horizon in relatively narrow paths. For example, the radiation pattern for an antenna array mounted on a tower can be likened to a thin pancake centered around the antenna system. The individual pattern for a single array of sector antennas is wedge-shaped, like a piece of pie. As with all forms of electromagnetic energy, the power decreases rapidly as one moves away from

the antenna. Therefore, RF exposure on the ground is much less than exposure very close to the antenna and in the path of the transmitted radio signal. In fact, ground-level exposure from such antennas is typically thousands of times less than the exposure levels recommended as safe by expert organizations. So exposure to nearby residents would be well within safety margins.

Cellular and PCS base stations in the United States are required to comply with limits for exposure recommended by expert organizations and endorsed by government agencies responsible for health and safety. Measurements made near cellular and PCS base station antennas mounted on towers have confirmed that ground-level exposures are typically thousands of times less than the exposure limits adopted by the FCC. In fact, in order to be exposed to levels at or near the FCC limits for cellular or PCS frequencies an individual would essentially have to remain in the main transmitted radio signal (at the height of the antenna) and within a few feet from the antenna. This is, of course, very unlikely to occur.

When cellular and PCS antennas are mounted on rooftops, RF levels on that roof or on others near by would probably be greater than those typically encountered on the ground. However, exposure levels approaching or exceeding safety guidelines should be encountered only very close to or directly in front of the antennas. In addition, for sector-type antennas, typically used for such rooftop base stations, RF levels to the side and in back of these antennas are insignificant. General guidelines on antenna installations and circumstances that might give rise to a concern about an facility's conformance with FCC regulations can be found in A Local Government Official's Guide to Transmitting Antenna RF Emission Safety: Rules, Procedures, and Practical Guidance. This Guide can be accessed at: http://www.fcc.gov/oet/rfsafety.

Who regulates exposure to radiation from microwave ovens, television sets and computer monitors?

The Food and Drug Administration is responsible for protecting the public from harmful radiation emissions from these consumer products.

Does the FCC routinely monitor radiofrequency radiation from antennas?

The FCC does not have the resources or the personnel to routinely monitor the emissions for all the thousands of transmitters that are subject to FCC jurisdiction. However, the FCC does have measurement instrumentation for evaluating RF levels in areas that may be accessible to the public or to workers. If there is evidence for potential non-compliance with FCC exposure guidelines for a FCC-regulated facility, staff from the FCC's Office of Engineering and Technology or the FCC Enforcement Bureau can conduct and investigation, and, if appropriate, perform actual measurements. Circumstances that could give rise to a concern about an facility's conformance with FCC regulations can be found in in A Local Government Official's Guide to Transmitting Antenna RF Emission Safety: Rules, Procedures, and Practical Guidance. This Guide can be accessed at: http://www.fcc.gov/oet/rfsafety. Potential exposure problems should

be brought to the FCC's attention by contacting the FCC RF Safety Program at: 202-418-2464 or by email: rfsafety@fcc.gov.

Does the FCC maintain a database that includes information on the location and technical parameters of all the transmitting towers it regulates?

Each of the FCC Bureaus maintains its own licensing database system for the service(s) it regulates (e.g., television, cellular service, satellite earth stations.) The FCC issues two types of licenses: site specific and market based. In the case of site specific licensed facilities, technical operating information is collected from the licensee as part of the licensing process. However, in the case of market based licensing (e.g., PCS, cellular), the licensee is granted the authority to operate a radio communications system in a geographic area using as many facilities as are required, and the licensee is not required to provide the FCC with specific location and operating parameters of these facilities.

Information on site specific licensed facilities can be found the "General Menu Reports" (GenMen) at http://gullfoss2.fcc.gov/cgi-bin/ws.exe/genmen/index.hts.

The various FCC Bureaus also publish on at least a weekly basis, bulk extracts of their licensing databases. Each licensing database has its own unique file structure. These extracts consist of multiple, very large files. The FCC's Office of Engineering and Technology (OET) maintains an index to these databases at http://www.fcc.gov/oet/info/database/fadb.html. Entry points into the various databases include frequency, state/county, latitude/longitude, call-sign and licensee name. For further information on the Commission's existing databases, you can contact Donald Campbell at dcampbel@fcc.gov or 202-418-2405.

Can local and state governmental bodies establish limits for RF exposure?

Although some local and state governments have enacted rules and regulations about human exposure to RF energy in the past, the Telecommunications Act of 1996 requires the Federal Government to control human exposure to RF emissions. In particular, Section 704 of the Act states that, "No State or local government or instrumentality thereof may regulate the placement, construction, and modification of personal wireless service facilities on the basis of the environmental effects of radio frequency emissions to the extent that such facilities comply with the Commission's regulations concerning such emissions." Further information on federal authority and FCC policy is available in a fact sheet from the FCC's Wireless Telecommunications Bureau at www.fcc.gov/wtb.

Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radiofrequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not

produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radiofrequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless

phones. Base stations are thus not the primary subject of the safety questions discussed in this document.

What kinds of phones are the subject of this update?

The term "wireless phone" refers here to hand-held wireless phones with built-in antennas, often called "cell," "mobile," or "PCS" phones. These types of wireless phones can expose the user to measurable radiofrequency energy (RF) because of the short distance between the phone and the user's head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies. When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called "cordless phones," which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures well within the FCC's compliance limits.

What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radiofrequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in the absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phone RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

What research is needed to decide whether RF exposure from wireless phones poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data

that is directly applicable to human populations, but 10 or more years' follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radiofrequency energy (RF).

FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

What steps can I take to reduce my exposure to radiofrequency energy from my wireless phone?

If there is a risk from these products–and at this point we do not know that there is–it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radiofrequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

- If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna.

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radiofrequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

What about wireless phone interference with medical equipment?

Radiofrequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI.

FDA has tested hearing aids for interference from handheld wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that that no interference occurs when a person uses a "compatible" phone and a "compatible" hearing aid at the same time. This standard was approved by the IEEE in 2000.

FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

Which other federal agencies have responsibilities related to potential RF health effects?

Certain agencies in the Federal Government have been involved in monitoring, researching or regulating issues related to human exposure to RF radiation.

These agencies include the Food and Drug Administration (FDA), the Environmental Protection Agency (EPA), the Occupational Safety and Health Administration (OSHA), the National Institute for Occupational Safety and Health (NIOSH), the National Telecommunications and Information Administration (NTIA) and the Department of Defense (DOD).

By authority of the Radiation Control for Health and Safety Act of 1968, the Center for Devices and Radiological Health (CDRH) of the FDA develops performance standards for the emission of radiation from electronic products including X-ray equipment, other medical devices, television sets, microwave ovens, laser products and sunlamps. The CDRH established a product performance standard for microwave ovens in 1971 limiting the amount of RF leakage from ovens. However, the CDRH has not adopted performance standards for other RF-emitting products. The FDA is, however, the lead federal health agency in monitoring the latest research developments and advising other agencies with respect to the safety of RF-emitting products used by the public, such as cellular and PCS phones.

The FDA's microwave oven standard is an emission standard (as opposed to an exposure standard) that allows specific levels of microwave leakage (measured at five centimeters from the oven surface). The standard also requires ovens to have two independent interlock systems that prevent the oven from generating microwaves the moment that the latch is released or the door of the oven is opened. The FDA has stated that ovens that meet its standards and are used according to the manufacturer's recommendations are safe for consumer and industrial use. More information is available from: www.fda.gov/cdrh.

The EPA has, in the past, considered developing federal guidelines for public exposure to RF radiation. However, EPA activities related to RF safety and health are presently limited to advisory functions. For example, the EPA now chairs an Inter-agency Radiofrequency Working Group, which coordinates RF health-related activities among the various federal agencies with health or regulatory responsibilities in this area.

OSHA is responsible for protecting workers from exposure to hazardous chemical and physical agents. In 1971, OSHA issued a protection guide for exposure of workers to RF radiation [29 CFR 1910.97]. However, this guide was later ruled to be only advisory and not mandatory. Moreover, it was based on an earlier RF exposure standard that has now been revised. At the present time, OSHA uses the IEEE and/or FCC exposure guidelines for enforcement purposes under OSHA's "general duty clause" (for more information see: http://www.osha-slc.gov/SLTC/radiofrequencyradiation/index.html.

NIOSH is part of the U.S. Department of Health and Human Services. It conducts research and investigations into issues related to occupational exposure to chemical and physical agents. NIOSH has, in the past, undertaken to develop RF exposure guidelines for workers, but final guidelines were never adopted by the agency. NIOSH conducts safety-related RF studies through its Physical Agents Effects Branch in Cincinnati,Ohio.

The NTIA is an agency of the U.S. Department of Commerce and is responsible for authorizing Federal Government use of the RF electromagnetic spectrum. Like the FCC, the NTIA also has NEPA responsibilities and has considered adopting guidelines for evaluating RF exposure from U.S. Government transmitters such as radar and military facilities.

The Department of Defense (DOD) has conducted research on the biological effects of RF energy for a number of years. This research is now conducted primarily at the U.S. Air Force Research Laboratory located at Brooks Air Force Base, Texas. The DOD Web site for RF biological effects information is listed with other sites in conjunction with a question on other sources of information, below.

Who funds and carries out research on the biological effects of RF energy?

Research into possible biological effects of RF energy is carried out in laboratories in the United States and around the world. In the U.S., most research has been funded by the Department of Defense, due to the extensive military use of RF equipment such as radar and high-powered radio transmitters. In addition, some federal agencies responsible for health and safety, such as the Environmental Protection Agency (EPA) and the U.S. Food and Drug Administration (FDA), have sponsored and conducted research in this area. At the present time, most of the non-military research on biological effects of RF energy in the U.S. is being funded by industry organizations. More research is being carried out overseas, particularly in Europe.

In 1996, the World Health Organization (WHO) established the International EMF Project to review the scientific literature and work towards resolution of health concerns over the use of RF technology. WHO maintains a Web site that provides extensive information on this project and about RF biological effects and research (www.who.ch/peh-emf).

FDA, EPA and other US government agencies responsible for public health and safety have worked together and in connection with WHO to monitor developments and identify research needs related to RF biological effects.

How does FCC Audit Cell Phone RF?

After FCC grants permission for a particular cellular telephone to be marketed, FCC will occasionally conduct "post-grant" testing to determine whether production versions of the phone are being produced to conform with FCC regulatory requirements. The manufacturer of a cell phone that does not meet FCC's regulatory requirements may be required to remove the cell phone from use and to refund the purchase price or provide a replacement phone, and may be subject to civil or criminal penalties. In addition, if the cell phone presents a risk of injury to the user, FDA may also take regulatory action. The most important post-grant test, from a consumer's perspective, is testing of the RF emissions of the phone. FCC measures the Specific Absorption Rate (SAR) of the phone, following a very rigorous testing protocol. As is true for nearly any scientific measurement, there is a possibility that the test measurement may be

less than or greater than the actual RF emitted by the phone. This difference between the RF test measurement and actual RF emission is because test measurements are limited by instrument accuracy, because test measurement and actual use environments are different, and other variable factors. This inherent variability is known as "measurement uncertainty." When FCC conducts post-grant testing of a cell phone, FCC takes into account any measurement uncertainty to when determining whether regulatory action is appropriate. This approach ensures that when FCC takes regulatory action, it will have a sound, defensible scientific basis.

FDA scientific staff reviewed the methodology used by FCC to measure cell phone RF, and agreed it is an acceptable approach, given our current understanding of the risks presented by cellular phone RF emissions. RF emissions from cellular phones have not been shown to present a risk of injury to the user when the measured SAR is less than the safety limits set by FCC (an SAR of 1.6 w/kg). Even in a case where the maximum measurement uncertainty permitted by current measurement standards was added to the maximum permissible SAR, the resulting SAR value would be well below any level known to produce an acute effect. Consequently, FCC's approach with measurement uncertainty will not result in consumers being exposed to any known risk from the RF emitted by cellular telephones.

FDA will continue to monitor studies and literature reports concerning acute effects of cell phone RF, and concerning chronic effects of long-term exposure to cellular telephone RF (that is, the risks from using a cell phone for many years). If new information leads FDA to believe that a change to FCC's measurement policy may be appropriate, FDA will contact FCC and both agencies will work together to develop a mutually-acceptable approach.

Owner's Record

The model number, regulatory number and serial number are located on a nameplate inside the battery compartment. Record the serial number in the space provided below. This will be helpful if you need to contact us about your phone in the future.

Model: Sanyo SCP-4920

Serial No.:

User's Guide Proprietary Notice

CDMA Technology is licensed by QUALCOMM Incorporated under one or more of the following patents:

4,901,307 5,109,390 5,267,262 5,416,797

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